

RETURN—Continued.

Birds collected in March, 1888.

ADDITIONAL ARTICLES.

No.	Name	Sex and age.	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	Chord of culmen = new & cere.	Cere	Tip of bill to center of pupil.	Tip of bill to base of culmen	Base of culmen to cere put	Diameter eye	Iris	Tarsus	Middle toe with its claw	Middle claw	Hallux & claw	Claw of hallux	Junior Cl.	Adult Cl.	Weight	Date
6118	Cardinalis C. superbus	♂ ad.	255	319	102	124	21.5	15	20			26	42	27	38	27	25	8	19	9	14	14	empty of nest 40% Mar. 2, 1888		
6119	"	♀ ad.	242	312	101	124	20	13	19			24	38	26	37	27	24	8.5	17	7.5	15	14	do		
6120	"	♀ ad.	240	322	104	123	19	13	18.5			24	38	26.5	37	27	23.5	6.5	18	8.5	15	13	do		
6121	Thryoth. bicolori bairdi	♀ ad.	142	191	60	62	17	11	20						25	18.5	16	4.5	13	5.8			do		
6122	Salpinctes obsoletus	♂ ad.	149	235	74	53	19	14	24						30	22	18	5	15	6			do		
6123	Corvus unalaschkae	♂ ad.	178	286	94	74	15	9	22			24	37	23	37	31	21.5	6.5	15	7			do		
6124	"	♂ ad.	177	281	92	72	14	9	20			24	37	23	36	30	21	6	16	7			do		
6125	Pipilo mac. megalonyx	♂ ad.	221	285	95	110	15	10	17			22	37	25	36	25	27	9.2	22	13	8.5	9	do		
6126	"	♂ ad.	226	292	94	113	14.5	9.3	17			21.5	35	24	39	28	27	9	21	12	8	8	do		
6129	Harpodornis cristalis	♂ ad.	320	338	109	154	37	31	42			47	64	30	44	33	29	7.5	20	10	6	5.3	23% Feb. 20, 1888		
6133	Melanerpes uropygialis	♀ ad.	243	428	135	89	26	32	32			38	54	28	31	22.5	26	10	13	6	8.6	8.4	Mar. 8, 1888		
6134	Sayornis nigricans	♂ ad.	192	286	96	87	16	12	22						25	18	16	5.6	14	7			Mar. 22, 1888		
6135	Bubo virg. subarcticus	♀ ad.	525	1300	377	222	28	24	46	41	18	52	85	62	22	118	58	66	26	42	24	28	23.6	Mar. 26, 1888	
6136	Passerculus A. alaudinus	♂ ad.	140	226	71	54	10.5	7	12			16.5	26	19	27.5	20	19	4.8	16	7			Weight 2 1/2 lbs. Nov.		
6137	Corvus cryptoleucus	♂ ad.	290	1170	385	242	64	45	72			82	116	59	12	106	60	64	20	49	23.5	18	16	1/2 lb. 23% Mar. 27, 1888	
6138	Sturnella neglecta	♂ ad.	260	420	129	83	34	23	36			42	61	32	52	39	35	9	30	13.5	8	7	Mar. 28, 1888		
6139	Pipilo aberti	♀ ad.	234	291	94	118	16		17						39	29	26	8.5	21	11			" " "		
6140	Pipilo maculatus, megal.	♂ ad.	222	288	92	110	15		17						38	28	26	9	23	13			" " "		
6141	Sayornis Sayi	♂ ad.	201	342	112	90	17	12	23						28	22	17	7	14	8			" " "		
6142	Helgidactylus peripennis	♂ ad.	134	304	110	52	6.5	4.5	12.5						20	11	14.7	4.7	16	4.7			" " "		
6143	Thryothorus bicolori bairdi	♂ ad.	144	189	61	65	14	10	19						24	17.5	16	5	13	6			" " "		
6144	Spizella s. arizonae	♂ ad.	140	222	72	64	10		11						23	17.5	16	4.5	12	5.7			" " "		
6145	Amphispiza bilineata	♂ ad.	146	216	70	67	10.5	7	11						23	19	17	5	13.5	7			" 31 "		
6146	Vireo pusillus	♂ ad.	129	182	58	55	10	7	15						25	18.5	13	4	10.5	4.7			Iris hazel. Apr. 2, 1888		
6147	Helminthophila luciae	♂ ad.	113	180	60	46	8.7	6.8	11						21.5	16.2	13	3.8	10	4.1			" " "		
6148	Carpodacus frontalis	♀ ad.	159	250	79	65	12		13.5						28	19	19	5.2	14	6			Greenish on under. " " "		
6149	Spizella soc. arizonae	♂ ad.	151	234	78	70	10		10.5						23	16.5	17.5	4.8	13	6			Head plain " " "		
6150	"	♀ ad.	145	226	74	66	9.2		10						24	17	16	4.5	13	5.5			Head striped " " "		
6151	Poeyetes gramineus confinis	♂ ad.	157	264	85	67	12.2		13						26	20	19	5.8	14	7			" " "		
6152	Oroscoptes montanus	♂ ad.	223	315	100	95	18	11	24						43	30.5	25	6	17.5	8			Iris yellow " " "		
6153	"	♂ ad.	230	329	103	97	18.5	13	26						45	32	25	7	16.5	8			" " "		

RETURN—Continued.

ADDITIONAL ARTICLES.

Birds collected in Febr. 1888

No.	Name.	Sex	Date.	Length.	Alar expanse.	Wing.	Tail.	Culmen.	Nostril.	Gape.	Chord of culmen and gape.	Cere.	Ext. of bill to center of pupil.	Ext. of bill to back of head.	Frontal feathers to occiput.	Diameter of eye.	Tibia.	Tarsus.	Middle toe with its claw.	Middle claw.	Hallux with its claw.	Claw of hallux.	Inner claw.	Outer claw.	Weight, lbs.
6082	<i>Parus inorn. gneseus</i>	♀ ad.	Febr. 18, 1888	142	222	70	61	12	9.8	13			18	31	19		27	21	16	5	14	6			
6083	" "	♂ ad.	" "	146	233	74	60	12.5	9	14							28	21	16	5.8	15	6.8			
6084	" "	♀ ad.	" "	138	222	70	61	12	9	13.5							27.5	21	16.3	5.4	14	6			
6085	<i>Pipilo mac. megalon.</i>	♀ ad.	" "	224	285	92	111	14		16		20	36	25			36	29	26	8	20.5	11.5			Iris, cherry red.
6086	" "	♂ ad.	" "	224	287	91	112	14.7		17		21.5	37	26			39	28	28	9	22	12.8			
6087	" "	♀ ad.	" "	215	278	87	103	14		18		22	36	25.5			38.5	27.5	28	10	23	14			
6088	<i>Parus wollweberi</i>	♀ ad.	" "	129 197	197	63	61	9	6.6	10.5		14	26	18			23	27.8	13	4.7	12	5.8			
6089	" "	♂ ad.	" "	138	211	68	62	9	6.7	10.5		15	26	18			24.5	18	13	4.8	12.5	6			
6090	<i>Sitta car. aculeata</i>	♂ ad.	" "	159	282	94	54	20.7	15.4	24							25	17.5	21	7	21	10			
6091	<i>Colaptes cafer</i>	♂ ad.	" "	344	550	175	133	38		43		52	75	38			47	30	34	11	17	7			
6092	" "	♂ ad.	" "	344	530	178	138	39		44		54	76	37			44	29	32	11	17	7.5			
6093	" "	♀ ad.	" "	326	535	172	135	40		44		54	78	37			64	78	37	45	30	33	16.5	8	
6094	<i>Aphelocoma woodhousei</i>	♂ ad.	" "	312	412	137	144	28		33							53	40	32	9.5	25	12			
6095	<i>Cyanocitta p. macrolopha</i>	♀ ad.	" "	308	460	147	137	29		33							57	44	31	8.5	25	12			
6096	" "	♀ ad.	" "	311	450	148	141	29		33							55	43.5	31	9	26	12			
6093	<i>Colaptes cafer</i>	♀ ad.	" "	336	535	173	135	40		44		54	78	37			45	30	33	12	16.5	8			
6098	<i>Melanerpes uropygialis</i>	♂ ad.	Febr. 24, 1888	264	447	138	94	32		37		44	62	30			37	25	29	10.5	14	7			
6099	<i>Pardalipicus c. superbus</i>	♂ ad.	" "	251	309	107	128	21	13.5	20							39	27	24	7	18	8.5			
6100	<i>Phainopepla nitens</i>	♂ ad.	" "	215	316	104	105	12	8	17							29	20	18	5	13	5.2			
6101	<i>Ceryle alcyon</i>	♂ ad.	" "	339	560	165	99	56		71		72	95	42			39	11	24	8.5	12	6.8			
6102	<i>Pipilo aberti</i>	" "	" "	234	291	92	115	15.5		16							31	27	8	18	7.5				
6103	<i>Gnatichia intermedia</i>	♀ ad.	" "	177	251	80	78	11		12.5							31	23	21	4.2	15.3	7.5			
6104	<i>Eremophila alpestris</i>	♀ ad.	" "	168	300	98	64	11.7	8	14.5							27	22	16	5.1	16.5	9			
6105	<i>Phainopepla nitens</i>	♀ ad.	" "	206	297	94	99	11.5	7.8	16.5							2	20	18.5	5	12.3	5.3			
6106	" "	♀ ad.	" "	206	300	95	95	12	7.5	18							27.5	19	19	5.5	12.5	5.5			
6107	" "	♂ ad.	" "	207	302	105	98	11	7.2	16							27	18.5	18	5	12	5			
6108	" "	♂ ad.	" "	213	307	96	101	12.5	7.5	18							28.5	18	18.5	5	12	5.2			
6113	<i>Amphispiza bilineata</i>	♂ ad.	March 2, 1888	145	215	69	69	11.5	7.5	11.5		16	27	19			24	20	18	4	13	6			
6114	<i>Turdus unalaschkan.</i>	♂ ad.	" "	177	287	92	73	14	8.7	20		24	36	24			37	30	23	6	16	7.2			
6115	<i>Spizella socialis arizonae</i>	♂ ad.	" "	145	241	77	69	10.5	7	11.5		16	26	18			25	18	17	4.2	13.5	6			
6116	<i>Gnatichia intermedia</i>	♀ ad.	" "	165	234	75	73	11.5		13							28	22			15.5	7.7			
6117	<i>Peulurus uropygialis</i>	♂ ad.	" "	276	460	142	104	33	26.5	38		46	62	31			38	25	28	10.8	16	7			Iris, red.

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Name	Length to end of claw	Length	Alar expanse	Wing	Tail	Culmen from front of orbit	Culmen from extreme base	Culmen, measured from nostril	Gape	Height of bill at extreme base	Width at extreme base	Foremost width	Tip of bill to center of pupil	Tip of bill to occiput	Base of culmen at front of orbit to head of bill to end of middle claw	Head of bill to end of middle claw	Bill	Base of wing	Tarsus	Middle toe with its claw	Middle claw	Hallux with its claw	Claw of hallux	Diameter of eye	Weight, oz.	Sex & age	
6302	<i>Greenules occid.</i>	²⁰⁰ ad.	174	312	100	46	27		26.5					37	48	22.5	75	37	15	23	20.5	4.5	7	2			♀ ad.	
6303	"	¹⁹⁹ ad.	177	315	102	48	24		23.5					34	45	21.5	77	36	16	22	20	5	7.5	2.6			♀ ad.	
6304	"	²⁰⁶ ad.	174	315	100	45	25		24.5					35	46	23	83	39	14	24	20	4.5	7.5	2.2			♀ ad.	
6305	"	²⁰⁸ ad.	180	321	103	49	26		26					36	48	23	83	39	13	24	20	4	8	2.3			♀ ad.	
6306	"	²⁰³ ad.	174	315	100	46	24.5		24					35	46	22.5	80	38	13	23	20	4.5	7	2.2			♂ ad.	
6307	"	¹⁸⁹ ad.	163	300	97	44	22		21.5					33	44	22	74	35	12	21.5	18.5	4	7	2.2			♂ ad.	
6310	<i>Tras cynoptera</i>	²²⁷ ad.	420	644	191	86	42	50	33	52	17	16	19	67	89	47	134	64	12	33	45	8	14	3.9	7.5-11			♂ ad.
6313	<i>Actitis macularia</i>	³²² ad.	197	345	108	54	25		28					37	48	25	88	40	12	26	23	4.2	9	2.8			♀ ad.	
6324	"	³²² ad.	195	335	107	53	22		15	26				35	47	26	84	38.5	9	23	22.5	4	8	2.5			♂ ad.	
6325	"	³²⁴ ad.	199	342	110	55	24.5		17	28				36	49	26	86	40	8	25	22	4	7.5	2.6			♀ ad.	
6331	<i>Nycticorax n. naevius</i>	⁸²⁰ ad.	645	1165	327	132	77		^{3 plumes} 186	55	103	24	21	101	143	68	295	125	35	79	89	16.5	56	21	15	28oz.		♀ ad.
6356	"	⁸⁷² ad.	673	1175	320	126	70		^{2 plumes} 180	58	111	24	19	108	152	78	315	138	41	87	95	15.5	58	21	24oz.			
6360	<i>Symphemia sinuata</i>	♀ ad.	Measurements on a special table of this species																									
6378	<i>Fulica americana</i>	⁵²⁰ ad.	358	648	184	57	40		14	34				44	63	32	125	92	21	56	79	13	33	8			13oz.	
6379	<i>Ardea virescens</i>	⁶¹⁰ ad.	492	740	206	77	59		48	80				80	107	49	192	85	20	53	56	9.5	38	12.5			8½oz.	
6380	"	⁶²⁵ ad.	508	748	212	84	59		48	81				80.5	110	49	190	83	20	54	60	11	38	13			8oz.	
6381	"	⁵⁷⁵ ad.	475	685	192	77	58		47.5	78				77	107	50	188	78	20	51	56	9.5	36	12.5			8oz.	

RETURN—Continued.

ADDITIONAL ARTICLES

ADDITIONAL ARTICLES.

Carpodacus purpureus, californicus Baird. Indig
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RETURN—Continued.

Birds Collected in April, 1888.

ADDITIONAL ARTICLES.

No.	Name	Sex and age.	Length	Alar expanse	Wing.	Tail.	Culmen.	Nostril	Gape.	Chord of culmen and cere taken together	Cere.	Tip of bill to center of pupil	Tip of bill to base of culmen	Base of culmen to cere	Diameter of eye	Tibia	Tarsus	Middle toe with its claw.	Middle claw.	Hallux with claw.	Claw of hallux	Inner claw	Outer claw	Weight	Date
6154	<i>Salpinctes obsoletus</i>	♂ ad.	153	229	75	59	18	12	23							27	21.5	17.5	4.8	15	6			Apr. 2, 1888	
6155	<i>Pipilo fuscus mesoleucus</i>	♂ ad.	223	305	98	110	16.7	11	17			23	38	25		39	25	24	7	19	8.5	7	6	" "	
6156	<i>Merula polyglottus</i>	♂ ad.	254	354	115	122	18	12	23			28	42	27		41	29	24.5	6.2	18.5	8	5-4.1		" "	
6157	<i>Junco (oregonus?)</i>	♀ ad.	155	243	77	69	11		12							30	20	19	5.6	15	7			" "	
6158	<i>Spizella socialis arizonae</i>	♂ ad.	149	241	79	68	9.5		10.5							23.5	17	17.5	4.9	12.5	6			" "	
6159	" "	♂ ad.	148	236	76	66	9.5		10.5							24	17.5	17	5	13	6			" "	
6160	<i>Regulus calendula</i>	♂ ad.	115	183	61	46	10.5	6.2	13							23	18.5	13	3.9	11	5			" "	
6161	" "	♂ ad.	110	170	61	46	10	6	12							22	20	13	3.8	11.5	5.2			" "	
6162	" "	♂ ad.	115	187	64	48	11	6.6	14							23	19	13	4.5	11	5			" "	
6163	<i>Junco (oregonus?)</i>	♀ ad.	159	243	81	72	10.7		11.5							39	20	19	5.5	15	7			" "	
6164	" "	♀ ad.	160	245	82	72	11		12							38	21	20	5.5	16	7			" "	
6165	<i>Parus wallweberi</i>	♂ ad.	134	206	70	62	9	7	10.5							23	16	14	4.7	12.5	4.5			" "	
6166	<i>Peucaea ruficeps boucardi</i>	♀ ad.	165	208	66	72	12	8	13			18	30	20.5		19	18.2	5	14	7			" "		
6167	<i>Amphispiza bilineata arizonae</i>	♂ ad.	342	522	171	153	30.5		37			Bill spotted				59	44	33	9	28	12			" "	
6168	" "	♂ ad.	356	550	183	160	30		36			Bill black				60	45	35	10.5	28	13			" "	
6169	" "	♂ ad.	345	528	175	159	31		37.5			Bill black				58	43.5	33.5	10	28	12.5			" "	
6170	" "	♀ ad.	331	475	170	143	30		37			Bill spotted				42	35	10	27	13			" "		
6171	" "	♀ ad.	342	507	168	153	29		33.5			"	"			54	41	34	10.5	27	12			" "	
6172	<i>Pipilo fuscus mesoleucus</i>	♂ ad.	227	310	101	109	15	10	16							40	27	25	6.7	19	9	7	6	" "	
6173	<i>Sayornis saya</i>	♂ ad.	197	330	106	85	16	12	23							29	20	16	5.5	14	6.8			" "	
6174	<i>Egialitis vociferus</i>	♂ ad.	Measurements on the other table — Water birds																					" "	
6175	" "	♀ ad.	do																					" "	
6176	<i>Pipilo maculatus megalonyx</i>	♂ ad.	219	293	94	112	14		17.5							38	27.5	26	9.4	21.5	13			" "	
6177	" "	♀ ad.	216	275	87	104	13.7		17.5			See positively ♀.				39	28.5	26	8.6	21.5	12			" "	
6178	<i>Colaptes cafer</i>	♂ ad.	346	538	170	132	40		40.5			not skinned.				45	31	33	13	18	8			" "	
6179	" "	♂ ad.	335	540	166	133	37		43			"	"			29.5	32	11.5	15	7			" "		
6180	<i>Helminthophila luciae</i>	♂ ad.	115	182	60	46	10	7				"	"			23	16.5	13	3.9	10.2	4.3			" "	
6181	<i>Regulus calendula</i>	♂ ad.	115	182	60	45	10.5	6.5	13							23	19.5	13	4	11	5			April 4, 1888	
6182	<i>Nyctiorax nyctiorax naevius</i>	♂ ad.	See other table for measurements																					" "	
6183	<i>Hylocichla ustulata ustulata</i>	♂ ad.	177	287	95	77	13.5	8.8	19							37	28	22	5	16	7			" "	
6184	<i>Dendroica aestiva</i>	♂ ad.	131	200	66	52	11	7.5	13							25	19	15	4.5	11.2	5			" "	
6185	<i>Dendroica auduboni</i>	♂ ad.	150	241	80	66	10.6	7.2	14							27	20	15	4	12	5.2			" "	

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Name	Sex and age	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	Chord of cul. and cere together	Cere	Tip of bill to center of pupil	Tip of bill to occiput	Base of bill to occiput	Tibia	Tarsus	Middle toe with its claw	Middle claw	Hallux with its claw	Claw of hallux	Inner claw	Outer claw	Diameter of eye	Weight	Date.
6219	<i>Amphispiza bilineata</i>	♂ ad.	146	217	71	69	11.5	12								18	17	4.4	13	5.8					
6220	<i>Salpinctes obsoletus</i>	♂ ad.	162	242	77	62	20	15	26							28	21.5	19	5	15	6				
6221	<i>Regulus calendula</i> ^{more by on crown}	♀ ad.	116	178	59	47	10	6	13							23	18.5	13	4.3	10.8	5				
6222	<i>Dendroica aestiva</i>	♂ ad.	130	190	65	49	10.5	7	13							24	19	14	4.2	11	5				
6223	<i>Spizella s. arizonae</i>	♂ ad.	141	230	73	64	9.5	10.5				15	25	18	23	5	17	16	4	12	4				
6224	<i>Myiarchus (mag. mex.)</i>	♂ ad.	224	332	105	103	20	16	28			32	45	26	32	23	19	7	16	8.3					
6225	<i>Poliophtila caerulea</i>	♀ ad.	120	160	49	52	11.5	7.6	15	iris hazel	18	28	16	22	18	11.7	3.8	9	4	Bill, legs, feet & claws black.	Apr. 17, 1888				
6226	<i>Dendroica aestiva sonoriensis</i>	♀ ad.	128	191	66	49	11	7.2	14	bande streaked	17.5	28	18	25	18	14	4.5	11.6	5	Ovaries developed	"	"	"		
6227	"	♀ ad.	123	185	59	45	9.5	7.2	13			17.2	28	18	24	18	14	4.2	11	5		"	"	"	
6228	<i>Anthus penicillarius</i>	♀ ad.	173	275	88	70	13	8.7	18							30	22	20	5.7	19	9.5		"	"	"
6229	<i>Melospiza lincolni</i>	♂ ad.	154	204	67	65	10.3	12.5								28	20	19.5	5	14.5	7		"	"	"
6230	"	♀ ad.	138	195	60	54	11	12								27	20	19	5	14	7		"	"	"
6231	<i>Gothlypis trichas occident.</i>	♂ ad.	139	186	62	60	14	9	15							20	18	5	13.5	6.5		"	"	"	
6232	<i>Spizella socialis ariz.</i>	♀ ad.	143	220	73	65	10.3	11								23.5	16.5	16	4	12	5		"	"	"
6233	<i>Zonotrichia intermedia</i>	♂ ad.	180	253	80	80	12	13								23.5	21.5	6.2	16	8		"	"	"	
6234	"	♂ ad.	175	254	80	78	10.5	12								31	22.5	21.5	6.2	17	8.5		"	"	"
6235	<i>Larus delawarensis attenu.</i>	♀ ad.	Measurements on other table. Weight 1 lb. 6 oz.; ovaries. Irides straw color margin of eyelids vermilion. Bill yellow, banded with black between nostrils and tip, the latter being yellow like the base. Legs & feet chrome-yellow; claws, plumbeous-black at base, horn-color at tip. Head, neck, entire under surface, tail, upper tail-coverts and rump pure white. Back & wings above (mantle) pearl gray, the latter having the extremities of secondary quills white, and more or less black upon the terminal portion of four outer primaries. The outermost greatest wing-covert has a black spot 20 m. m. in length in its outer web, extending to the edge of the feather, but not touching its shaft. The inner four of the black-tipped outer (5) primaries, have each a small white spot at the tip. The 2nd primary has the smallest white terminal spot and the size increases to the 5th which has a spot 12 m. m. in length. The 1st (outer) primary has an oval spot 26 m. m. in length which occupies the whole width of the feather except a very narrow black stripe alongside of the (black) shaft and along the outer edge of the feather. The faint black line edging the outer border of the 1st primary is absent in the right wing; the two wings are alike. The shafts of the quills are colored in correspondence with the webs; below they are all white except dusky tips to the outermost primaries. Ovaries considerably developed.																						
6236	<i>Addea herodias</i>	♂ ad.	Measurements on the other table. Testicle fully developed, measuring 23 x 42 m. m.																						
6237	<i>Melospiza lincolni</i>	♀ ad.	148	197	64	62	11.3	12.5								28	20	19	4.7	15	7.5				
6238	"	♀ ad.	148	194	61	59	11.2	12.3								27	20.5	19	5.2	16	8				

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Name	Sex & age	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Chord of culmen & cere together	Cere.	Gape.	Tip of bill to center of pupil	Tip of bill to cere	Base of bill to cere	Yibia	Tarsus	Middle toe with its claw	Middle claw	Hallux with its claw	Claw of hallux	Inner claw	Outer claw	Diameter of eye	Weight, oz.	Date
6239	<i>Pipilo aberti</i> :	♀ ad	234	287	94	119	16									40	28.5	26.5	9	25	10.5			A mated pair, with nest + 4 egg.	
6240	" "	♂ ad	238	303	97	119	16.5									41	29	27.5	9	20.3	10.6				
6241	<i>Tyrannus verticalis</i>	♂ ad	224	406	134	98	20.5	13.5			25					28	19	20.5	6.8	14	6.3			A mated pair.	
6242	" "	♀ ad	223	387	127	96	20	13			35					29	19	20	6.8	15	6.7				
6243	" "	♂ ad	225	410	135	99	21	14			26					31	19.5	21	7	15	7				
6244	<i>Empidonax obscurus</i>	♂ ad	155	237	75	67	13	9.5			18					24	19	15	6	12.7	7				
6245	<i>Empidonax pusillus</i>	♂ ad	146	231	75	63	12	7			15.5					21	16	13.5	5.1	11	6.2				
6246	<i>Myiarchus cinerascens</i>	♂ ad	226	334	106	104	21	15			27					31	22	18	5.9	15	7.6				
6247	<i>Sturnus psaltria</i>	♂ ad	115	208	68	47	9.5	10			20.5					13	14.5	5	11	5.2					
6248	<i>Dendroica auduboni</i>	♂ ad	151	236	78	63	12	7.7			14					27	19	16.5	5.5	12.5	6				
6249	<i>Mimus polyglottus</i>	♂ ad	265	360	119	126	18.5	13			26					45	32	28.5	21	10				April 23, 1888	
6250	" "	♂ ad	262	360	117	126	18.5	13			26					41	33	27	7.5	19	8.5				
6251	<i>Icteria virens longicauda</i>	♂ ad	190	252	60	83	15	11.2			20					31	26	22	6.3	15	6				
6252	<i>Melospiza lincolni</i>	♂ ad	153	213	67	66	11.2	mis, hazel.			12.5	large + feet				28	21	20	5	16	7.5			Bill brownish-black above, below yellow at base, dusky tip.	
6253	<i>Icterus cucullatus ruber</i>	♂ ad	204	268	88	93	20	14			22	27	41	22	30	23	21.5	6	17	7					
6254	<i>Chondestes grammacus stajata</i>	♂ ad	181	296	96	78	13	9.2			14	19	32	23	31	20.5	21	5.5	15.5	6.8					
6255	" "	♂ ad	187	303	97	82	13	9.2			14					32	21	20.3	5.1	16	7				
6256	" "	♂ ad	177	281	90	78	12	9			13					30	19.5	19	5.2	15	7				
6257	<i>Zenaidura macroura</i>	♂ ad	310	463	154	147	14	9			22	30	44	31	39	20	25	6	17.5	5.8			6.3 4 1/4	April 25, 1888	
6258	" "	♂ ad	317	460	157	160	15.5	9			21	28	40	30	40	20.5	24	5.8	17	6	6.8			do	
6259	" "	♂ ad	317	475	164	152	14	8.7			21.5	31	45	32	40	22	27	6.2	19.5	6.4	7.7			do	
6260	" "	♂ ad	308	457	158	156	13.7	10			22	29	42	31	38.5	19.5	25	6	18	6	7.4			do	
6261	" "	♂ ad	312	470	157	153	14	9			23	30	45	30	39	22	26	6	19	6	7.0			do	
6262	" "	♂ ad	300	445	150	146	14	10			22	30	44	32	38	20	23	5.3	16	5.2	6.9			do	
6263	" "	♀ ad	280	433	148	130	13.2	9.5			22	29	42	30	36	19	25	5.8	17.5	6	6.0			do	
6264	" "	♂ ad	321	460	155	155	13	9			22	29	43	31.5	40	21	24	5.1	18	5.3	6.0			do	
6265	<i>Actitis macularia</i>	♂ ad	Measurements on other table.										Bill yellow at base mandible & sides max. do												do
6266	<i>Actitis trichas occident.</i>	♂ ad	144	192	61	60	12	8.5			14.5	18.5	30	19	28	21	18	5	13.5	6.2					do
6267	<i>Dendroica aestiva senecensis</i>	♀ ad	128	190	61	50	10	7.5			13					25	18	14	4	11	4.2			do	
6268	<i>Sturnus psaltria</i>	♂ ad	113	197	66	46	10				10.5					19	12	14	5	10	5			do	
6269	<i>Empidonax</i>	♀ ad	No measurements.																						do
6270	<i>Empidonax</i>	♂ ad	146	234	74	63	11.5	7.5			16					22	16.5	15	6	11	5.5			do	

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Name	Sex and age.	Weight.	Culmen + cere.	Cere.	Culmen	Gape	Nostril	Tip of bill to center of pupil.	Tip of bill to end of mandible.	Base of bill to occiput.	Diameter of eye.	Length	Alar expanse	Wing	Tail	Tibia	Tarsus	Middle toe + claw	Middle claw	Hallux with its claw	Plan of hallux	Inner claw	Outer claw	Page in Journal
5662	<i>Carpodacus cassinii</i>	♂ ad.				114	16	11	20.5	35	24		176	297	100	71	30	20	21	6	16	6.5			
5663	<i>Carpodacus cassinii</i>	♀ ad.																							
5664	<i>Carpodacus cassinii</i>	♀ ad.																							
5665	<i>Falco sparverius</i>	♀ ad.	$\frac{4}{16}$ 13.5	3.7		11	17.5	—	13	41	35		279	607	203	140	52	38	33	11	20	10	10	9	Claws stick with blood + feathers in this
5669	<i>Otocoris a.</i>					12	15.5	8.2	19	34	24		185	330	108	79	28	19.5	18.5	7	20	12			
5670	<i>Haliaeetus leucocephalus</i>	♂ ad. ^{immatured}	71	20	58	82	51	90	128	83	14		910	280	665	345	160	100	107	36.5	83	46	45	33	
Graduation after 43. height of bill at base culmen, 40. head of bill to end of middle claw, 35.5, mid. toe, 75. Tarsus, girth 70. Tibia girth 175.																									
5973 to 5978	are <i>Otocoris</i> (3 ♂ + 3 ♀)	no measurements.																							
5979	<i>Colaptes cafer</i>	♀ ad. $\frac{1}{16}$				38.5	43		52	74	36		327	522	162	133	44	29	31	12.5	17	7.5			
5980	<i>Junco</i>	♂ ad.				11.5	12						161	254	82	75	38.5	20	19	5	14	7			
5981	<i>Junco</i>	♂ ad.				11	12.2						166	256	84	78	28.5	21	20	5	14.5	6.8			
5982	<i>Junco</i>	♂ ad.				11	12						163	253	83	75	30	22	20	5	15	7			
5983	<i>Junco</i>	♂ ad.				12	13.2						158	243	78	67	29.5	20.5	18.5	5	15.5	7.5			
5985	<i>Picus villosus harvii</i>	♂ ad. $\frac{2}{16}$				32.5	35		42	60	28		243	413	133	93		23	32	10	12	6			
5986	<i>Spinus tristis</i>	♂ ad.				11	12						136	236	78	57	22	14	15	5.5	12	6			
5987	<i>Spinus tristis</i>	♂ ad.				11.8	12		16	27	17.5		134	238	78	56	22	13.5	15.5	5	12	6			
5988	<i>Geothlypis intermedia</i>	♂ juv.	no measurements. Just getting adult plumage; molting.																						
5989	<i>Turdus gnoluschkai</i>	♀ ad.				15	21	9					179	275	91	74	37	31	21	5	15	6			
5990	<i>Anthus penicillatus</i>	♂ ad.				12.7	17	9					170	270	90	74	26	20.5	17	4.6	15	8			
5991	<i>Sayornis sayi</i>	♀ ad.				17	23	12					195	320	104	87	28	20	17	6	12	6.3			
5992	<i>Helospiza fasciata montana</i>	♀ ad.				11.5	12						161	216	67	71	32	21	20.5	5.7	16	8			
5993	<i>Dendroica auduboni</i>	♀ ad.				11	14	7					141	224	74	60	35	18	16	3.8	11	5			
5994	<i>Turdus aonalaschkae</i>	♀ ad.				13.5	20	9					181	281	92	75	38.5	30	22	5	15	6			
5995	<i>Spizella socialis arizonae</i>	♀				10	10						143	228	76	68	22	17	16	4.5	13	6			
5996	<i>Junco hyemalis oregonus</i>	♂ ad. (♀?)				11	12						153	236	76	69	29	20	19	5	14	6.5			
5997	<i>Amphispiza bilineata</i>	♀ ad.				14	17	10					145	186	60	65	18	14	4.5	12	5.3				
5998*	<i>Spinus pinus</i>	(♂ ad.)				11	11.5						138	220	72	50	23	14	16.5	5	13.5	6			
5999*	<i>Spinus pinus</i>	♀ ad.				11	12						126	216	70	47	22.5	14.7	15	4.4	13	5.8			
6000*	<i>Spinus pinus</i>	♀ ad.				11	12						125	219	72	48	24	15.5	16	5	13	5.5			
6001*	<i>Spinus pinus</i>	♀ ad.				10.6	11.5						124	217	71	47	21	15	16	5	13.2	6			
6002*	<i>Spinus pinus</i>	♀ ad.				11	12						128	223	74	51	24	14.8	15	5	13.5	6			
6003*	<i>Spinus pinus</i>	♀ ad.				10.8	12						126	226	75	48	23	14	16	5	12.8	5.8			

ADDITIONAL ARTICLES

ADDITIONAL ARTICLES.																										
	Sex & Age	Weight lbs. oz.	Bill & cere	Cere	Culmen	Gape	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	Distance eye tip of bill to	Tip of bill to tip of culmen	Tip of bill to base of culmen	Base of culmen to nostril	Iris	Tarsus	Middle toe with its claw	Middle claw	Hallux with its claw	Inner claw	Page in Journal			
5914	<i>Sayornis nigricans</i> ♂ ad.							189	296	94	85	16	11	20.5				23	18	16	6	15	7.2	309		
5915	" " ♂ ad.							185	289	94	84	17	11	21.5				25	18	15	5.9	13	7	309		
5916	" " ♂ ad.							186	293	94	84	18	11.7	22				27.5	18	16	6.3	14	7.8	309		
5917	<i>Astragalinus pectoratus</i> ♂ ad.							115	209	67	46	10		10				20	18	14	5	11	5.1	309		
5918	<i>Spinus pinus</i> ♀ ad.							127	224	73	52	11.2	9.5	12.8				22.5	14.5	15.5	5	13	6	309		
5919	<i>Amphispiza bilineata</i> ♂ ad.							152	225	74	71	11.7		12				20	16	4.6	13	6	309			
5920	<i>Capodacus frontalis</i> ♀ ad.							152	244	79	64	10.5	8	11.7				25.5	17	17	5.1	13	6	310		
5921	" " ♀ ad.							168	249	80	68	11	8.5	12.3				26	18.5	18.3	5.5	13	6	310		
5922	<i>Junco</i> ♂ ad.							163	250	81	75	10.5	7.5	12				28	20.5	19	5	15	7	310		
5923	<i>Junco</i> ♀ ad.							166	252	82	76	12	8	12				29	21	19	5.2	15	7	310		
5924	<i>Sialia mexicana</i> ♂ ad.							182	342	117	76	13	8.2	18				31	21	20.5	5.8	14.5	6.2	310		
5925	" " ♀ ad.							173	308	102	67	13	9	21				31	22	20	5.5	13	6	310		
5926	<i>Colaptes cafer</i> ♀ ad.							229	172	133	37		42					44	30	33	11.3	17	7.5	310		
5937	<i>Dulus cor. calurus</i> (tail red.) ♂ ad.	2	0	37	16	25	54	212	90	40	230	28	18.5	43	13.5	51	82	59	118	87	66	25	55	30		
5941	<i>Colaptes cafer</i> ♂ ad.	0	5 1/4					353	552	177	138	44	36	47			58	83	40	43	32	33	11.2	16	7	
5942	<i>Occipiter velox</i> ♂ juv.	0	4	16	7.5	10	307	575	180	152	12	7.5	17	7.3	24	43	33	59	53	26	9	23	11			
5943	<i>Ceryle alcyon</i> ♀ ad.	0	4 1/2					342	580	168	98	58	46	75			75	100	50	38	12	23	8	12	6	
5944	<i>Pipilo maculatus megalonyx</i> ♀ ad.							212	269	85	102	13.5		16				37	26.5	28	9	22	12			
5945	<i>Acrida</i> <i>Amphispiza macularius</i> ♂ ad.																									
5946	<i>Anthus pensilvanicus</i> ♀ ad.							173	271	90	73	13	9	17				29	21	18.3	5	17	9			
5947	<i>Premophila alpestris</i> ♂ ad.	0	1 1/2					187	342	113	81	11	8.5	15				29	20.6	14	6	20	13			
5948	" " ♂ ad.	0	1 1/2					185	336	111	77	12.8	9	16				30	28	18.5	6.5	20	12			
5949	" " ♀ ad.	0	1					178	316	103	72	11.8	7.8	14				29	20.5	18.3	7	18.5	10.5			
5950	" " ♀ ad.	0	1					173	320	104	71	11	8	14				29	21	17.6	6	20	12			
5951	" " ♀ ad.	0	1					170	306	100	67	11	8	14				29	22	17	6	17	9			
5952	" " ♀ ad.	0	1					174	314	103	71	12	8	14				29	22	16	5	16	8.5			
5956	<i>Pipilo maculatus megalonyx</i> ♂ ad.							216	291	94	111	12.5	9	16			20	35	26	35	27	26	8.5	20	10.7	Imp. red.
5957	<i>Junco dorsalis</i> ♂ ad.							166	269	86	80	12	8.5	13			18	31	22	30	22.5	20	5	15	6.8	Imp. hazel.
5958	<i>Mniardestes townsendi</i> ♀ ad.							220	347	116	102	12	7	21				35	22	22.5	7	16	8			
5959	<i>Turdus a. n. alascensis</i> ♂ ad.							186	290	95	77	13	9	20.5				37	30	22	5	16.5	7	*		
5960	<i>Junco</i> ♀ ad.							157	229	74	66	11		12				28	21	19	5	15	6.8			
5961	<i>Junco</i> ♀ ad.							153	234	77	78	11		11				29	20.6	19.5	5	14	6.7			
* w/ frontal feathers.																										

RETURN—Continued.

ADDITIONAL ARTICLES

[illegible]

RETURN—Continued.

ADDITIONAL ARTICLES.																													
Name	Sex & Age	Length	Alar expanse	Wing	Tail	Bill from front of feathers	From extreme base	From nostril	Gape	Height at extreme of mandible	Width at base	Greatest width	Tip of bill to centre of pupil	Tip of pupil to occiput	Length of feathers on occiput	Head & bill to end of claws	Tibia	Base posterior	Tarsus	Middle toe & claw	Middle claw	hind toe and claw	hind claw	Diameter of eye	No. of	Weight	Remarks		
Canvas-back	♂ ad.	574	910	242	70	65	78	39	71	32	22	22	94	133	61	226	99	16	47	81	90.5	27	5.07	9	2	14	1.1	Orange-brown	
Canvas-back	♂ ad.	575	875	238	67	67	76	38	70	31	22	22	94	132	60	218	99	15	47	79	90.5	25	5.02	8.04	2	10	1.1	Orange-brown	
Canvas-back	♂ ad.	566	897	247	75	65	76	37	68	30	22	22	92	127	57	217	100	15	47	79	90	24	5.07	8.02	2	10	1.1	Orange-brown	
Red head	♂ ad.	578	897	247	81	49	61	35	61	27	21	21	80.5	78	105	59	210	94	14	45	74	90.2	25	6	8.06	2	6	1.1	Orange-brown
Red head	♂ ad.	578	841	230	70	44	57	33	55	25	22	23	75	102	55	202	90	12.05	42	71	80.5	23	5	8.04	2	-	1.1	Orange-brown	
Red head	♂ ad.	578	841	232	73	47	58	33	57	23.05	21	21	75	104	57	202	90	12	44	71	80.8	23	4.05	8	2	3	1.1	Orange-brown	
Mallard	♂ ad.	640	1007	300	115	55	66	42	67	25	23	23	90	123	44	264	96	13	49	67	10	20	5.08	8	3	-	1.1	Orange-brown	
Mallard	♂ ad.	630	1000	290	110	55	66	44	69	24	23	24	91	122	43	269	94	13.05	49	64	11	22.05	6.03	9	2	13	1.1	Orange-brown	
Mallard	♂ ad.	615	942	290	112	58	67.05	43	70	26.05	24	25	91	125	43	263	95	13	46	63	9.07	22	6.01	9	2	13	1.1	Orange-brown	
Spoonbill	♂ ad.	578	820	257	104	64	76	50	78	22	16.05	29	95	120	53	162	74	13	38	54	10.05	16	5	8	1	8	1.1	Yellow	
Spoonbill	♂ ad.	575	820	244	100	67	77	52	81	21	18	32	98	123	54	163	77	14	39	52	8	16	4	8	1	4	1.1	Yellow	
Spoonbill	♀ ad.	450	733	220	80	57	64	44	66	19	14	28	82	105	48	152	71	13	36	48	7.05	15	4	7.05	1	2	1.1	Yellow	
Widgeon	♂ ad.	573	875	270	114	35	40	24	43	18.05	18.05	18.05	45	88	53	172	82	15	41	52	7.05	18	5	9	1	7	1.1	Brown	
Widgeon	♂ ad.	573	840	259	106	36	42	28	43	18	18	18	46	92	54	171	83	14	42	53	9	17	4.05	8	1	11	1.1	Brown	
Widgeon	♀ ad.	478	830	258	104	37	42	28	44	17	16.05	16.05	45	87	51	160	78	13	39	51	7.05	16	4	9	1	6	1.1	Brown	
Buffle head	♀ ad.	338	535	140	78	24	29	17	35	15	16	16	47	69	46	138	45	6	30	52	6	17	3.07	6.08	-	12	1.1	Orange-brown	
Buffle head	♀ ad.	339	553	140	75	24	30	17	38	16	15	15	46	67	44	137	60	5	30	51	6.05	16	4	-	-	12	1.1	Orange-brown	
Buffle head	♀ ad.	340	545	140	74	26	33	18	38.00	15.05	16	14	49	69	44	137	60	5	31	50	6	14	2.05	6.05	-	12	1.1	Orange-brown	
Buffle head	♀ ad.	342	540	140	77	25	32.15	16.05	36	16.05	15.05	15.05	44	67	43	148	59	4	31	53	6	17	4	-	-	12	1.1	Orange-brown	
Buffle head	♀ ad.	340	558	140	77	24	31	16.05	36	15	14.00	14.00	44	67	45	138	60	5	30	53	7	17	3.08	7	-	12	1.1	Orange-brown	
Buffle head	♀ ad.	337	540	142	71	25	31	17	35	16	15	15	44	70	44	143	60	5.05	31	53	7	17.05	4	6.03	-	11	1.1	Orange-brown	
Buffle head	♀ ad.	343	563	140	76	24	30.05	17	38	14	15	15	47	68	44	139	60	5	31.05	50	6	16	4	7	-	11	1.1	Orange-brown	
Buffle head	♀ ad.	337	563	141	72	25.05	32.05	17	34	14	15.05	15.05	45	68	43	-	-	-	-	-	-	-	-	-	-	12	1.1	Orange-brown	
Buffle head	♀ ad.	337	563	141	72	25.05	32.05	17	34	14	15.05	15.05	45	68	43	143	60	5.05	33	52	7	17	4	7	-	12	1.1	Orange-brown	
Buffle head	♀ ad.	334	554	142	73	24	33	17	38	16	15	15	47	68	43	137	58	6	30	50	6.07	17	3.09	7.02	11	1.1	Orange-brown		
Spoonbill	♀ ad.	508	876	270	95	40	48	35	52	20	17	17	72	97	54	171	81	16	42	55	7	17	5	8	1	10	1.1	Orange-brown	
Spoonbill	♀ ad.	509	813	237	92	45	52	34	55	20	16	17.05	72	97	53	147	78	14	42	52	6.05	16	4	8	1	9 1/2	1.1	Orange-brown	
Spoonbill	♀ ad.	488	847	260	92	39	47	31	48	18	17	17	67	90	54	174	85	14	42	54	7.05	17.05	5	7.05	1	7 1/2	1.1	Orange-brown	
Spoonbill	♀ ad.	488	845	252	85	36	45	32	48	17	15.05	16	67	90	53	143	78	13	38	49	7	16	4.01	8	1	10	1.1	Orange-brown	
Pintail	♂ ad.	643	950	283	135	54	62	43	66	23	18	19	87	114	57	185	87	14	45	59	10.5	19	5.7	8.5	1	13	1.1	Orange-brown	
Pintail	♀ ad.	540	846	246	108	49	56	38	56	22	17.5	18	76	103	52	180	84	14	44	57	8.5	18	5.5	8	1	8	1.1	Orange-brown	
Lesser Scaup	♂ ad.	425	722	199	64	40	48	25	49	21	20	24	67	90	49	169	77	10	37	62	7.6	22	4.2	7	1	11 1/2	1.1	Orange-brown	

ADDITIONAL ARTICLES.

~~Brutus recant, id~~

RETURN—Continued.

ADDITIONAL ARTICLES.

Birds collected in May, 1888.

No.	Name.	Sex and Age.	Length.	Alar expanse.	Wing.	Tail.	Culmen.	Nostril.	Gape.	Chord of culmen & cere.	Cere.	Tip of bill to center of pupil.	Tip of bill to occiput.	Base of bill to rear of occiput.	Tibia.	Tarsus.	Middle toe with its claw.	Middle claw.	Hallux with its claw.	Claw of hallux.	Inner claw.	Outer claw.	Diameter of eye.	Weight.	Date.
6361	<i>Icterus parisorum</i>	♂ ad	230	338	110	97	24.5	18	27			32	48	24	34	24	24	6	19	8.5					nest in mulletor in oak-bush - 5 feet from ground. Parents of set four eggs taken with nest.
6362	"	♀ ad	215	320	104	88	24	16	26	nuchal blk. on throat		30	45	24	34	25	26	7.5	30.5	9					
6363	<i>Dendroica nigrescens</i>	♀ ad	131	195	63	54	10	7.2	13.5								24	18	13	4	10	4.5			
6364	<i>Empidonax britteni?</i>	♂ ad	136	215	65	58	10	6.5	14	Back greenish							15	12	4.5	10	5.1				Belly not yellow.
6365	<i>Habia melanoceph.</i>	♂ ad	210	329	103	84	18.5	13	22								36	24	24.5	7	17	7			
6366	<i>Vireo vicinior</i>	♂ ad	143	212	67	64	11	6.5	14			17.5	30	21	25	19	15	4.8	11.5	5					
6367	<i>Vireo gilvus swainsoni</i>	♂ ad	137	216	68	51	10	7.3	16								21	18	13	4	10.5	5			
6368	<i>Myiophobus virens bairdi</i>	♂ ad	141	282	56	58	15	11	19								25	19	16	4.6	13	5.5			all of the above taken May 14, 1888.
6369	<i>Buteo swainsoni</i>	♀ ad	255	1320	410	234	23	22	41	33.5	13	47	77	56	98	71	58	20	47	25	24	16	11.5	32	Stomach full of small lizards.
6370	<i>Otocorys alpestris</i> var.	♂ ad	185	344	112	80	14	11	19			22.5	36	23.5	29	21	18	6.5	17	8.5					
6371	<i>Helminthophila lucida</i>	♀ ad	112	174	56	44	9.3	7	11.5								22	16	12	3.7	10	4			May 17, 1888
6372	<i>Geothlypis caerulea</i>	♂ ad	183	301	97	78	15.5	11.8	18			22	36	23	20.5	23.5	6.6	17	7	5.1	4.6				" " "
6373	<i>Progne subis</i>	♂ ad	209	424	156	80	10.9	8.3	25.5	Dark fork, 24		26	40	30	33	17	21	6	16	6.8					" " "
6374	<i>Vireo gilvus swainsoni</i>	♀ ad	137	212	68	53	11	8	17	Tip, hazel.		19	30.5	21	23.5	17	13	4	11	5					" " "
6375	<i>Icterus virens longicauda</i>	♂ ad	190	257	83	84	14	11.3	20.4			24	39	35	35	28	22	6	16	7	Iris, hazel.				" " "
6376	<i>Zenaidura macroura juv.</i>																								" " "
6377	<i>Turdus nestulatus</i>	♂ ad	189	308	103	77	13	8.5	22			24	38	35.5	39	27	23	6	16.5	7			6		" " "

RETURN—Continued.

ADDITIONAL ARTICLES.

Name	Sex & Age	Date	Length	Star in house	Wing	Tail	Culmen	Nostril	Gape	Tibia	Tarsus	Mid. toe & cl.	Middle cl.	Inner toe & cl.	Inner claw	No.	Remarks
⁵⁷⁴³ <i>Cyanocitta macrolopha</i>	♀ ad.	Dec.	6	315	461	151	140	28	34	55	43	30	9	23	12.5	1	
⁵⁷⁴⁴ <i>Cyanocitta macrolopha</i>	♀ ad.	Dec.	6	308	445	143	134	28	33	55	43	30	10	23	11.5	2	
⁵⁷⁴⁵ <i>Cyanocitta macrolopha</i>	♀ ad.	Dec.	6	320	480	158	147	29	34	57	42	33	10	26	12	3	
⁵⁷⁴⁶ <i>Alphelcomna woodhousei</i>	♂ ad.	Dec.	5	327	433	142	156	28	33	54	40	32	9	24	10.5	4	
⁵⁷⁴⁷ <i>Alphelcomna woodhousei</i>	♂ ad.	Dec.	5	309	396	130	143	27	32	50	38	30	9.3	22	10	5	
⁵⁷⁴⁸ <i>Alphelcomna woodhousei</i>	♂ ad.	Dec.	5	298	393	127	140	27	30	51	39	29	9	22	10.3	6	
⁵⁷⁴⁹ <i>Melanerpes bairdi</i>	♂ ad.	Dec.	5	240	472	148	90	26	31	34	22	25	8.3	13.5	6	7	
⁵⁷⁴⁶ "	♂ ad.	Dec.	6	245	465	145	90	27	31.5	35	22	25	8	13	6.6	8	
⁵⁷⁴⁷ "	♀ ad.	Dec.	6	234	460	148	90	25	29	34	21.5	24	8.2	13	6	9	
⁵⁷⁴⁸ "	♂ ad.	Dec.	6	236	450	143	87	27	31	35	22	25	8.4	13	6	10	
⁵⁷⁴⁹ <i>Myiophobus macconnii</i>	♀ ad.	Nov.	29	153	273	90	56	11	12	28	19	18	5.3	18	10	11	From plumage I think they are all females, but they were so stale when skinned that I could not positively determine sex.
⁵⁷⁵⁰ "	♀ ad.	Nov.	29	155	276	92	58	12	13	28	19	18	5	19	11	12	
⁵⁷⁵¹ "	♀ ad.	Nov.	29	149	275	90	57	11.7	13	26	19	17	5	14.5	7	13	
⁵⁷⁵² "	♀ ad.	Nov.	29	155	271	88	55	11.3	13	27	18.5	17	4.4	15	7	14	
⁵⁷⁴⁹ <i>Melanerpes bairdi</i>	♀ ad.	Dec.	6	236	441	143	88	25	29	32	22	24	9	12	5.2	15	
⁵⁷⁵⁰ <i>Melanerpes bairdi</i>	♀ ad.	Dec.	6	235	440	143	87	23	28	34	23.5	24	9	12.5	5.5	16	
⁵⁷⁵¹ "	♀ ad.	Dec.	6	237	450	145	88	25	29	33	21	25	9.7	13	6	17	
⁵⁷⁵² "	♀ ad.	Dec.	6	234	448	145	83	24	27	36	23	26	10	14	7	18	
⁵⁷⁵³ "	♂ ad.	Dec.	6	250	458	150	90	28	32	35	21	24	9	13	6	19	
⁵⁷⁵⁴ "	♂ ad.	Dec.	6	247	451	146	88	28	32	34	22	25	9	12	5.5	20	Dark Crest.
⁵⁸²² <i>Callipepla gambeli</i>	♂ ad.	Dec.	14	280	370	120	105	11.5	15	52	34	34.5	10	13	5.8	21	Bill, iris, legs, feet and claws normally colored like all.
Crest white. Here & there a scattered feather of normal plumage throughout.																	
⁵⁸⁶⁹ <i>Anthus pen.</i>	♀ ad.	Dec. 22	1887	164	269	87	68	12.5	9	16	28	20	18	5	16	8	
⁵⁸⁷⁰ <i>Anthus pen.</i>	♀ ad.	Dec. 22	1887	161	252	80	64	13.2	9.2	17	30	22	19	5.6	2.1	12.5	
⁵⁸⁸² <i>Anthus pen.</i>	♀ ad.	Dec. 22	1887	164	260	85	64	13	9.6	16.5	29	22	18.5	5	2.1	12.5	
⁵⁸⁷¹ <i>Otocorys</i>	♂ ad.	Dec. 22	1887	180	324	105	72	1.3	9	16	28	20.5	17	7	18.5	11.6	
⁵⁸⁷² <i>Otocorys</i>	♀ ad.	Dec. 22	1887	175	316	102	69	13	8.2	14.5	30	21.2	17	7	19	11	
⁵⁸⁷³ <i>Otocorys</i>	♀ ad.	Dec. 22	1887	177	318	103	70	11.7	8.4	15	28.5	22	17	6.4	17	10	
⁵⁸⁷⁴ <i>Otocorys</i>	♀ ad.	Dec. 22	1887	168	310	100	66	12	8.2	16	29	21	18	8	19	12.4	
⁵⁸⁷⁵ <i>Otocorys</i>	♀ ad.	Dec. 22	1887	170	310	101	68	11.6	8.6	15	29	21.2	16	5.7	17	10.6	
⁵⁸⁷⁶ <i>Otocorys</i>	♀ ad.	Dec. 22	1887	175	311	101	69	12	8.7	15	31.5	21.6	17.5	6.5	24	16.2	
⁵⁸⁷⁷ <i>Otocorys</i>	♀ ad.	Dec. 22	1887	170	209	100	68	12.2	8.5	15	30	20.5	18.6	7	23	16	

RETURN—Continued.

ADDITIONAL ARTICLES.

Sex and age.	Length	Wing	Tail	Culmen	Nostril	Gape	Libra	Tarsus	Middle toe and claw	Middle claw	Height to claw	Height to end of tail
5878 ♀ ad. <i>Urocoris</i>	172	310	104	69	12	8.3	15	29	52	05	18	6 17 8.6
5879 ♀ ad. "	170	311	102	68	11.7	8.2	15	29	20	18	6.6	18.5 11
5880 ♀ ad. "	175	315	103	71	12.9	8.3	16	30	21	19	6.5	21 14
5881 ♀ ad. "	175	309	100	68	12	8.4	15	29	20	18	6	20 14
5883 ♀ ad. <i>Corpodacus frontalis</i>	155	350	80	64	11.5	9	12.4	27	18	18	5	13 5.8
5884 ♀ ad. <i>Parus mollis</i>	127	202	64	60	9	7	10	24	17.5	14	4.8	12 5.7
5885 ♀ ad. <i>Amphispiza</i>	113	274	55	53	8.7	7	9.3	21	16	12.5	4	10 4.6
5886 ♀ ad. <i>Sitta aculeata</i>	154	272	91	52	20	15.3	24	25	16	21	7	21 9
5887 ♀ ad. "	151	280	93	52	20	14	24	25	18	20.5	6.2	21 9
5888 ♂ ad. <i>Pipilo meq.</i>	225	288	90	111	15	9.5	18	40	28	28	9	23 13
5889 ♂ ad. "	226	295	95	112	15	10	17	41	27	28.5	9.8	25 14
5890 ♀ ad. <i>Spinus pinus</i>	127	225	75	50	11.4	13	23	14	17	6	14	6.3
5891 ♀ ad. "	129	229	77	50	11	8.7	12	22.5	13.5	15.8	5.6	12.5 6
5892 ♀ ad. "	127	220	73	48	11.8	9	13	22	15	17	5.7	12 5
5893 ♀ ad. <i>Sturnella</i>	263	420	133	89	34	23	37	83	37	33	8	30 13
5894 ♀ ad. <i>Picus scalaris</i>	191	338	106	71	24	26	29	21	20	8	11	5.7
5895 ♀ ad. <i>Picus scalaris</i>	199	346	109	75	24	26	28	20	19	8	12	6
5896 ♀ ad. <i>Chondestes</i>	168	268	85	69	12	9	14	30	21	20.5	5.5	15 7
5897 ♂ juv. <i>Gymotrichia intermedia</i>	180	252	80	78	13	13	32	23	22	6	16	8.5
5898 ♂ juv. "	174	248	79	78	10.8	13	22	21	6	14.5	7	
5906 ♀ ad. <i>Sceloporus cyanocephalus</i>	231	385	124	96	20	14	23	44	32	28	7	24 11
5907 ♀ ad. <i>Thryomanes bewickii leucogaster</i>	132	182	57	58	15	10	18	26	18	16	4.3	13.5 5.5
5908 ♀ ad. <i>Dendroica audubonii</i>	146	239	80	63	11	7.5	13	25	18.5	17	5	12 5.7
5909 ♀ "	143	225	73	58	11	7.2	14	26	18	16	4.6	12.5 5.8
5910 ♀ "	142	230	75	60	10.5	7	13	26	20	16.5	4.6	12 5.2
5911 ♀ "	139	217	71	57	10.8	7	13	24	18	15	4.9	12 5.2
5912 ♀ "	144	232	72	58	10	7	13.2	25.5	18.5	16	4.5	11.5 5

Irides, hazel.

Irides, orange red.
Irides bright carmine

Birds measured in 1888.

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Name	Sex and age.	Length	Alar expanse	Wing.	Tail.	Culmen from frontal feathers	Culmen from extreme base.	Culmen from nostril	Gape.	Height of bill at extreme base.	Width at base	Greatest width	% of bill to centre of mandible.	% of bill to tip of mandible.	Base of culmen at frontal feathers to end of bill to end of middle claw.	Culmen	Base portion	Tarsus	Middle toe with its claw	Middle claw	Hallux with its claw	Claw of hallux	Diameter of eye	Weight	Remarks		
5927	<i>Mergus americanus</i>	♂ ad.	703	990	290	130	57	71	37	82	23	20	20	88	125	66	233	110	12	54	88	10	24	6.2	9	3	13	
5928	"	♂ ad.	680	965	280	125	56	69	38	74	22	17	17	85	124	65	229	106	12.5	50	76	9	25	6	9.3	3	9	Bill plumbeous. Iris yellow.
5929	<i>Lophodytes cucullatus</i>	♂ ad.	447	653	197	112	39.5	45	26.5	50	15	14	14	60	88	48	152	68	7.5	32	54	6.7	19	4.5	8	1	5	Bill yellowish at base. Iris reddish brown.
5930	"	♂ juv.	447	640	197	110	39	46	26.5	53	15.5	15	15	60	88	50	151	66	8	33	53	7	19	5	8	1	5	
5931	<i>Amas boschas</i>	♂ ad.	630	995	302	114	58	68	44	71	25	24	24	91	122	62	203	95	14	46	64	10	20	5.5	9.5	2	8	
5932	"	♂ ad.	627	1005	303	112	58	69	47	70	26	23	25	92	129	65	208	100	15	49	66	8.5	21	6.2	9.2	2	15	Iris dark hazel. B. light. Bill.
5933	<i>Amer. occidentalis</i>	♂ ad.	994	1825	506	195	60	72	33	68	32	28	28	95	134	74	365	172	29	97	99	15.5	32	9	9.5	9	0	
5933	do	ad.	910	1775	505	180	49	58	29	56	28	27	27	82	123	74	334	160	20	90	89	12.5	31	8.5				
5934	do	ad.	920	1755	500	185	52	62	29	57	30	29	29	87	126	74	347	170	21	90	91	13.5	28	9				
5935	do	ad.	993	1835	520	190	54	67	32	59	33	29	29	92	133	78	365	175	26	99	97	14	33	9				
5936	do	ad.	940	1800	510	199	52	65	31	56	29	29	29	88	127	74	356	175	23	94	96	14	31	9.5				
5937	<i>Mergus americanus</i>	♂ ad.	570	900	262	122	52	62	37	72	19	16.5	16.5	78	115	60	212	95	11	49	70	8	24	6.5	2	10	75	occipital crest.
5938	<i>Loph. cucullatus</i>	♂ juv.	460	665	194	103	40	46	27	54	15	13	13	60	91	51	157	71	8	33	56	7	21	5	1	8 1/2		
5939	"	♂ juv.	466	652	190	98	40	47	27	53	14	12.5	12.5	63	92	53	158	69	8	33	55	6.7	21	5	1	2 1/4		
5940	<i>Actitis mac.</i>	♂ ad.	179	305	95	48	20.5																					
5941	<i>Branta occidentalis</i>	♂ ad.	1000	1870	530	190	56	69	31	62	32	29	29	94	135	76	380	180	25	101	101	15	34	9.5	3	204		
5942	"	♀ ad.	875	1640	470	168	53	63	27	57	30	27	27	84	120	67	337	164	28	88	88	12	33	8.5	8	7 1/2		
5943	<i>Loph. cucullatus</i>	♂ juv.	450	660	193	43	38	47	27	52	14.5	12	12	61	92	51	160	68	8.5	34	58	8	19	5	8.5	1	4	
5944	<i>M. americanus</i>	♂ ad.	656	945	275	122	56	70	38	79	21	17.5	17.5	86	123	66	225	107	12	51	73	9	23	6	8.7	3	4	Iris hazel.
5945	<i>Spatula</i>	♂	520	837	258	106	66	75	51	77	23	17	33	95	122	54	168	75	13	41	56	8.7	17	5	8.1	1	1	Iris yellow.
5946	<i>Spatula</i>	♂	520	804	242	102	66	74	49	77	23	16	32	95	121	53	170	77	14	41	55	8.5	17	5	8	1	1 1/2	Iris yellow.
5947	<i>Cygnus</i>	♀ juv.	420	700	605	180	90	—	48	103	48	38	38	136	190	95	500	245	32	125	163	19	36	10	12.8	15	0	
Bill width opposite ant. border of nostr. 36. Width middle of tarsus 25. Neck (clavicle to occiput) 600. Inner cl. 20. Outer cl. 15. Outer cl. reaches base of middle. Inner cl. falls short of base of middle by its own length.																												
5947	<i>Cygnus</i>	♀ juv.	420	700	610	190	92	—	50	105	49	40	40	140	195	97	485	212	37	117	158	18	33	9	12	15	0	
5948	<i>Larus phil.</i>	♀ ad.	363	645	202	87	56		64					77	96	39	187	82	37	64	42	47	106	2.8	0	7	448	
6008	<i>Branta occidentalis</i>	♀ ad.	940	1735	485	175	57	72	33	65	32	28	28	96	132	77	360	175	25	94	95	13	33	9	11	7	6	concreted
6007	<i>Branta occidentalis</i>	♀ ad.	880	1836	540	191	58	70	30	64	34	30	30	93	130	77	373	172	24	92	98	14	35	9	11.3	9	5	
6008	<i>Branta occidentalis</i>	♀ ad.	912	1825	524	187	53	65	28	61	29	29	29	87	127	74	335	172	24	90	93	13	30	19	11.2	8	15	
6015	<i>Mergus americanus</i>	♂ ad.	680	980	282	123	54	71	37	82	22	18		86	124	66	232	105	12	53	76	9	25	6	9.5	3	13 1/2	Iris hazel.
6016	<i>Chaulelasmus</i>	♂ ad.	500	825	235	104	39	51	20	56	30	23		70	99	61	200	87	43	43	75	8	27	6	1	14		

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Name	Length of winged plumage.	Sex and age.	Length	Wing expanse	Wing.	Tail	Culmen from front feathers	Culmen from extreme base	Nostril	Lope	Height of bill at extreme base	Width at ex = from base.	Greatest width	Tip of bill to center of pupil	Tip of bill to cere.	Base of culmen at front of feathers to cere.	Head of culmen to end of middle claw	Tibia	Pare tibia	Tarsus	Middle toe with its claw.	Middle claw	Hallux with its claw	Claw of hallux	Front of bill to end of toes	Diameter of gape	Claw weight	Wt.
6046	Merganser americanus	♀ ad	590	870	252	134	48	61	38	67	16	15	72	110	62	210	97	13	47	67	7.5	21	5	8.5	2	6			
6037	"	♂ ad	668	965	270	130	53	66	34	77	20	18	81	118	62	225	106	13	52	73	9	22	5	9	3	4½			
6038	"	♂ ad	670	960	280	130	55	69	36	82	23	19	84	122	65	230	104	11	52	73	10	23	6	9	4	4			
6047	Ardea herodias	135	♀ ad	1080	182	187	130	165	112	165	29	21	162	213	84	500	230	100	165	110	13	58	17	1390	14	3	15½		
6048	Merganser americanus	♂ ad	680	985	290	133	54	70	36	82	22	18	85	121	65	222	104	12	50	70	9	22	5.2	9	3	3½			
6063	Dafila acuta	♀ ad	550	860	256	116	57	57	39	60	21	18	78	105	53	171	80	11	40	54	8	18	4.5						
6097	Aythya americana	♀ ad	510	850	237	80	47	58	33	59	26	22	77	106	57	200	93	13	41	69	8	23	4.8	57	6	9			
6109	Merganser americanus	♂ ad	640	935	270	115	53	67	35	81	22	18	81	119	64	228	103	13	50	72	9	23	6	9.5	3	3			
6110	Aythya collaris	♂ ad	444	750	210	68	46	45	55	30	23	20	70	94	49	187	84	12	37	65	8	21	4.5	507	1	10			
6111	Aythya affinis	♀ ad	435	740	201	67	41	49	28	52	22	20	66	90	50	175	79	12	35	63	8	23	4	485	1	8			
6112	Charitonetta albeola	♂ ad	385	615	173	83	28	36	20	42	18.5	16	16.3	53	76	49	165	70	7	36	60	7	20	4		0	14		
6110	Aythya collaris	♂ ad	444	750	210	68	46	55	30	56	23	20	70	94	49	187	84	12	37	65	8	21	4.5	507	1	10			
6127	Macaca mulatta	♂ ad	950	1795	503	177	56	69	32	65	31	29	95	132	77	366	170	21	99	100	12.5	34	9	11	8	0			
6128	Gallinago delicata	♂ ad	280	444	137	65	68		66				86	98	30	181	54	13	31	33	5	11	3	325		3½			
6130	Branta can. occid.	♀ ad	863	1680	470	172	50	62	28	60	29	26	84	120	71	333	162	24	91	91	12	30	8.2	11.2	7	15			
6131	Charitonetta albeola	♂ ad	372	605	172	85	27	34	20	41	18	15.5	16	53	77	50	162	67	6	35	57	7.5	18	3.5		1	15		
6132		♂ ad	382	625	174	88	29	35	20	42	17	15	16	54	78	50	167	169	5.5	36	61	7.5	19	4		1	0		
6174	Oxyechus vociferus	♂ ad	254	500	162	97	21		14	24						117	54	16	38	26	5			262					
6175	"	♀ ad	269	532	171	105	22.5		14.5	25						118	54	15	35	27	6.2			275					
6182	Nycticorax nycticorax	♂ ad	705	1240	335	137	81	67	116	height 2¼	14	112	162	78	327	144	98	90	91	12	36	18	900	15	Length of plumage 225				
6213	Merganser americanus	♀ ad	660	947	268	114	55	67	36	80	20	16	82	119	63	225	103	12	51	70	8.5	24	6	8.3	3	3			
6214	Halimastur luciae	ad.																											
621		ad.																											
6235	Larus delawarensis albius	♂ ad	480	1190	370	143	43	20	67	14.5			70	98	57	190	89	25	54	45	8.5	12	4.5	8	1	6			
6236	Ardea herodias	♂ ad	1180	1930	520	200	149	Longest breast plumage 250.	190	30	23		187	245	98	560	250	110	180	132	18	67	19	1535	Longest head plumage 220.				
6265	Actitis macularia	♀ ad	202	346	110	58	23.5	27					36	49	26	84	38	10	24	22	4.3	7	2.6	228					
6284	Podilymbus podiceps	♂ ad	375	623	142	43	20	14	35	13	13		39	66	47	194	92	9	42	65	8.5	17	2.7	480	6	16			
6285	Actitis macularia	♀ ad	203	342	110	59	23	28								84	38	11	23.5	23.5	4	8.7	3	222					
6286	Fringa minutilla	♂ ad	148	285	88	40	17	24	positively ascertained.				72	32	8	20	21	4	5.2	2	173	Apr 30, 1888.							
6300	"	♂ ad	143	282	90	40	17	17					70	32	13	19	19	4	5	1.7	166	May 1, 1888							
6308	Actitis macularia	♂ ad	201	337	106	57	25	27					86	40	12	24	23	4	8	2.7	230								
6309	"	♀ ad	198	340	108	54	22.5	26					36	48	25	85	39	12	24	22	4.2	7	2.8	226					

* Neck easily skinned over the head.

* Neck easily skinned over the head.

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex & Age.	Date	Eye	Width eye + sl. of eye.	Total length	Head & body	Tail, vert.	Tail, hairs.	Tail, width.	Ears, crown	Ears, notch.	Ears, width.	Ty from the front teeth	To angle of mouth	To eye	To centre of pupil	To ear	Teeth	Tip of ear	acarpus	end hind leg	Dist. eyes.	Chest girth	Longest whisker	Fore limb cov.	Olecranon	Mamms	Width	Cl.	Heel line	Knee	Pes
781.2	Ad.	July 23	7.5	10.6	290	180	102	122	45	5	11	14	7	20	18	23	36	38	48	44	252	20	100	27	66	50	25	7	7.5	97	60	36

The above meas. (no. 781) were copied on table Dec. 16, 1889.

RETURN—Continued.

		ADDITIONAL ARTICLES.																										
		Length to end of claws	Wing	Alar expanse	Wing	Head	Culmen	Nostril	Gape	Tibia	Tarsus	Middle toe	Wing	Hand	Claw	Tip of bill to angle of mandible	Tip of bill to end of mandible	Base of bill to nostril	Bill from extreme base	Height of bill	Width of bill	Diameter of eye	Head of tibia to end of claws	Tibia	Bare portion	Stomach	Intestine	Cl
6382	Dendroica graciae	♂ ad.	134	215	72	58	11.5	8.4	15	23	17	15	4.7	10.5	4.7	18	29	18	Inc. hazel	Bill black	Feet + claws brown.							
6383	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6412	July 24, 1888.	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6424	July 24, 1888.	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6425	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6426	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6427	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6428	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6429	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6430	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6431	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6432	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6433	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6434	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6435	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6436	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6437	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6438	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6439	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6440	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6441	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6442	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6443	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6444	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6445	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6446	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6447	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6448	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6449	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6450	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6451	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6452	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6453	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6454	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6455	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6456	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6457	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6458	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6459	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6460	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6461	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6462	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6463	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6464	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6465	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6466	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6467	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6468	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6469	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6470	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6471	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6472	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6473	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6474	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6475	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6476	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6477	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6478	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6479	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6480	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6481	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6482	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6483	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6484	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6485	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6486	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6487	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6488	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7	5.2													
6489	"	♂ ad.	134	212	69	56	10.5	8	14	23	17	14.5	4.3	10.7														

ADDITIONAL ARTICLES.

No.	Name	Sex & age	Date	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	Depth of culmen and cere	Cere	Tip of bill to eye: Tip of pupil	Tip of bill to beak tip	Tip of nostril to beak tip	Diameter eye	Iris	Lacuna	Middle toe with its claw	Middle claw	Hallux with its claw	Claw of hallux	Inner claw	Outer claw	Height at last carpal joint	Weight
6049	<i>Accipiter cooperi</i>	♂ ad.	Febr. 10, 1888	423	765	242	208	15	13.5	24	23	8.5	31	54	43	9	77	59	48	14.5	40	20	11.5	12		10
6050	<i>Passerella i. schistacea</i>	♂ ad.	Febr. 10, 1888	185	262	84	85	12	8.2	14			18	33	24	47	35	23	24	8.5	21	12	9	9	8	
6051	<i>Sitta aculeata</i>	♂ ad.	" "	153	283	95	50	20	14	25			28	41	23		24	19.5	21.5	7	22	9.5			5	
6052	"	♀ ad.	" "	158	292	97	54	21.5	16	25			29	43	22		25	18	20	7	21	9.5				
6053	<i>Regulus calendula</i>	♀ ad.	" "	115	189	63	45	10.5	6.5	13							24	20	24	3.8	12	5				
6054	<i>Sphyrapicus v. nuchalis</i>	♂ ad.	" "	229	410	135	90	24		27			34	46	23.5		34	22.5	24	9	12	5.8				
6055	"	♀ ad.	" "	217	397	130	85	23		27.5			33	45	23		30	21	22	8.5	11	5				
6056	<i>Aphelocoma d. arizonae</i>	♀ ad.	" "	342	625	172	154	32	23	36			43	65	37		57	45	33	10	27	12				
6057	"	♀ ad.	" "	344	630	173	155	31	23	36			44	66	38		57	44	35	10	27	12				
6058	<i>Cyanocitta p. macrolopha</i>	♂ ad.	" "	331	480	156	147	30	21	33			42	62	34		57	45	33	9	24	12				
6059	"	♂ ad.	" "	330	488	158	150	29	20	33			41	62	35		59	45	33	8.5	25	12				
6060	<i>Sturnella m. neglecta</i>	♂ ad.	" "	263	420	130	86	34	24	37			41	61	31		52	39	35	8	29	12.5				
6061	<i>Accipiter velox</i>	Imm.	" "	297	563	177	148	10	9.6	16	16	6	22	40	33	7	56	48	37	9.5	23	11.5	12	8		
6062	<i>Buteo borealis</i>	♂ ad.	" "	545	1325	408	233	24	22	44	36	15	52	84	63	13	116	90	63	24	54	31	30	19		
6064	<i>Aphelocoma woodh.</i>	♀ ad.	Febr. 13	301	408	131	143	27	19	31			38	59	33		52	40	30	10	23	10.5				
6065	<i>Helospiza f. montana</i>	♂ ad.	" "	170	231	75	77	11.5	8	12.5			17	30	21.5		33	22	20.5	5.3	15.5	7.5				
6066	"	♀ ad.	" "	168	227	72	78	13	8.5	13			17	31	22		33	22	20.5	5.7	16	7.5				
6067	<i>Aphelocoma woodhousei</i>	ad.	" "	307	415	134	147	27	19	33			38	58	34		51	40	32	9.3	23	11				
6068	"	♂ ad.	" "	309	412	135	148	27.5	18	31			38	59	34		54	41	30	9	22	10.5				
6069	<i>Musula m. propinqua</i>	♂ ad.	" "	279	440	146	121	22	14	30			35	50	30		49	34	20.5	7.5	21.5	8.7				
6070	<i>Melanerpes f. bairdi</i>	♂ ad.	" "	240	450	143	82	26		31			37	53	27		37	22	25	9	14	6.5				
6071	<i>Parus wollweberi</i>	♂ ad.	" "	135	202	69	61	9	6.3	10.2							17	14	4.2	13.5	5.7					
6072	<i>Regulus calendula</i> (mex. cr.)	♀ ad.	" "	118	190	64	48	10	7	14							24	21	13.5	4	11	5				
6073	"	(mex. cr.)	♀ ad.?	" "	" "	115	178	60	45	9.5	6	12.5					23	18.5	13	4	10	4.9				
6074	<i>Falco sparverius</i>	♂ ad.	" "	277	572	193	140	11		17	13	3	24	40	35		51	34	30	10	20	10	9.7	8.5		
6075	<i>Junco h. oregonus</i>	♂ ad.	" "	165	252	80	75	11.5		12							29	22	19.5	5	15.5	7				
6076	"	♀ ad.	" "	160	242	81	74	11.5		12							21	19	5.5	15	7					
6077	<i>Buteo virg. subarcticus</i>	♂ ad.	Febr. 16, 1888	498	1265	360	215	27		45	38	16	48	88	62	22	117	58	64	27		22	27	22	2.0	
6078	<i>Sphyrapicus v. nuchalis</i>	♂ ad.	Febr. 18, 1888	327	414	130	86	27		30			35	49	23		31	23	23	9	11	5				
6079	<i>Accipiter velox</i>	♂ ad.	" "	303	572	182	152	10.3		17	16	6	23	39	33		55	50	39	9.5	23	12	13	8		
6080	<i>Passerella iliaca schist.</i>	♂ ad.	" "	190	267	85	89	12	8.5	14			18.5	32	24	47	32	24	25	10	21	11.5	9.5	7.7		
6081	<i>Aphelocoma d. arizonae</i>	♂ ad.	" "	356	635	177	162	31	21.5	36			43	65	37		61	45	36	11	27	12			12	

Measurements of Birds collected in 1888, in Arizona.

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Page in Journal	Name	Height of bill at greatest feathers	Sex & age.	Date	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	Chord of culmen and cere together	Cere	Tip of bill to center of pupil	Tip of bill to base of bill to nostril	Diameter of eye	Tibia	Tarsus	Middle toe with its claw	Middle claw	Hallux with its claw	Claw of hallux	Inner claw	Outer claw	Weight
6004*	1	<i>Colaptes cafer</i>		♂ ad	Jan. 25	333	340	168	127	37	43	43		51	73	37		44	28	34	12	17	8			5 1/16
6005	1	<i>Colaptes cafer</i>		♂ ad.	Jan 25	333	354	171	121	42	42			56	78	37		45	33	33	11.5	17	7.5			1 1/16
6009	1	<i>Pipilo aberti</i>		♂ ad	Jan. 28	240	305	97	120	17	17.2			34	40	26		42	29.5	28	9	23.5	11.2			2 1/16
6010	1	<i>Pipilo aberti</i>		♂ ad	Jan. 29	242	307	97	121	16	17							40	29	28	9	22	11			
6011	1	<i>Sialia mexicana</i>		♀ ad	Jan. 29	174	319	109	70	12	8.5	18						29	20	19	5.2	14	6.5			
6017		<i>Cyanocitta macrolopha</i>		♀ ad.	Feb. 3	310	465	152	137	27	19	32						56	40	32	9.5	24	12			
6018		"		♀ ad	Feb. 3	309	458	148	135	28.5	19	33		40	61	35			43	32	9	25	12			
6019		"		♂ ad.	Feb. 3	322	477	157	146	28	20	33.5						58	43	33	10	27	12			
6020		<i>Aphelocoma woodhousei</i>		♂ ad.	Feb. 3	309	413	133	149	30	32	34		42	61	33		51	40	31	10	23.5	12			
6021		"		♀ ad.	Feb. 3	300	395	127	135	27	20	32		38	58	32		51	42	30	9	23	11.5			
6022		<i>Accipiter velox</i>		♂ juv.	Feb. 3	290	545	173	144	9	16	15.5	7.5					58	51	38	10	23	12	12.5	8.2	
6023		<i>Carpodacus frontalis</i>		♂ ad.	Feb. 3	288	288																			
6024		<i>Pipilo megalonyx</i>		♂ ad.	Feb. 3	230	290	95	116	15	9.8	16.5						36	29	28	8.8	22	12			
6025		<i>Carpodacus frontalis</i>		♂ ad.	Feb. 3	189	260	84	68	10.6	12.5							27	17	19	5	13	6			
6026		<i>Parn. wollweberi</i>		♀ ad.	Feb. 3	130	207	67	60	10	7	11						23	18	14	4.8	12	5.5			
6027		"		♀ ad.	Feb. 3	130	202	66	61	8.7	6	10						24	17	14	4.9	12	6			
6028		"		♂ ad.	Feb. 3	134	209	67	62	10	7	10.5		15	27	18		24	18	14	4.3	12	5.5			
6029		<i>Regulus calendula</i>		♂ ad.	Feb. 3	119	190	64	58	10	7	13						22	20	13	4	11	5			
6030		<i>Dryobates scalaris</i>		♀ ad.	Feb. 3	178	323	102	68	20	22							26	17.5	19	7.5	10.3	5			
6031		<i>Colaptes cafer</i>		♂ ad.	Feb. 3	345	550	175	133	40	45							43	29	31	12	16	7			
6032		<i>Sealecophagus cyanoceph.</i>		♂ ad.	Feb. 3	269	423	140	116	21	15	24		30	46	27		47	34	30	7.5	24	12			his straw color on feet, bill.
6034		<i>Pipilo mac. megalonyx</i>		♂ ad.	Feb. 6	215	281	88	106	13.5	9	16						37	27	27	9.5	22	13			
6035		<i>Colaptes cafer</i>		♀ ad.	Feb. 7	325	530	165	120	40	34	45		54	76	37		45	29	33	11	16	7.5			
6036		<i>Ceryle alcyon</i>	16	♂ ad.	Feb. 7	342	572	165	100	57	45	75		73	99	47		41*	12	22.5	8	11	6			
6045		<i>Falco mexicanus</i>		♀	Feb. 9	487	1100	350	205	22	21.5	32	37	6	45	70	58	11	95	60	66	19	46	24	21	17 1/2
6039		<i>Falco sparverius</i>		♂ ad.	Feb. 8	267	576	194	135	12	11	18	15	4	25	38	33		48	38	31	11	21	11	11	9
6040		<i>Amphispiza macer</i>	8	♂ ad.	Feb. 8	154	266	93	59	12	9	14		19	32	23		30	20	18	5	16	8			
6041		<i>Sealecophagus cyanocephalus</i>		♂ ad	do	254	426	140	111	23	15	25		30	47	28		46	33	30	8	23	15			
6042		"		♂ ad.	do	272	428	140	113	23	16	25		31	48	28		46	35	31	8.5	25	12			
6043		"		♂ ad.	do	258	414	134	109	21	14.5	35		30	47	27		46	35	32	8	24	11			
6044		"		♂ ad.	do	269	433	143	120	23	16	25		31	47	27		47	34	29.5	7.5	26	12			

* Bare portion of tibia, 10.

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ADDITIONAL ARTICLES.

No.	Name	Sex and age	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	Dist. of culmen and base.	Cere	Tip of bill to center of pupil	Tip of bill to base of mandible	Tip of bill to base of bill to mandible	Libia	Tarsus	Middle toe with its claw	Middle claw	Hallux with its claw	Claw of hallux	Inner claw	Outer claw	Diameter of eye	Weight	Date
6326	<i>Geoph. trichas occid.</i>	♂ ad.	139	185	60	60	12.5	7.5	14			18	29	17.5	28	20	19	5.3	15	7					May 5, 1888
6327	" "	♀ ad.	139	180	57	56	12	8	14			18	29	19	28	21	18	5.5	14	7					" " "
6328	<i>Minus polyglottus</i>	♀ ad.	259	356	104	128	19	12.5	27	inches, green yellow below		29	46	28	46	33	28	7	20	9				1 1/2	" " "
6329	<i>Melanerpes torquatus</i>	♂ ad.	283	547	177	111	29	23	37	iris, hazel.	41	59	30.5	43	25	27	10	15.5	6.3	8.3	9.5			4	" " "
6330	<i>Buteo swainsoni</i>	♀ ad.	534	1335	425	225	24	22.5	42	34	13	48	76	56	105	68	63	20	50	26	25	15.5	12	36	May 5, 1888. Iris hazel.
6336	<i>Cardinalis superbus</i>	♀ ad.	232	310	99	116	18.5	14	20						36	26	24	7.7	18	8					May 7, 1888. Brown
6337	<i>Corvus c.</i>	♂ ad.	647	1323	447	262	68	45	78	grad. tail	55	88	128	63	115	69	65	20	53	35	20	16		35	May 8, 1888 do
6338	<i>Icterus c. nelsoni</i>	♂ ad.	214	284	93	98	20	14.5	35																May 8, 1888 Squaw Creek
6339	<i>Piranga r. cooperi</i>	♂ ad.	202	315	104	87	21	15.5	25			29	43	26	32	21	21	6.5	16	6.6					May 6, 1888 Fort Verde
6341	<i>Piranga r. cooperi</i>	♀ ad.	216	323	103	84	21	16	25			29.5	43	26	32	21	21	6.3	17	7					May 9, 1888. Sy Camo Creek
6333	<i>Stellula calliope</i>	♂ ad.	98	115	46	29	18		23			37	34	14.5		4									May 6, 1888. Pikes Peak
6334	" "	♂ ad.	95	112	45	28	19		24			28	35	14		4									May 6, 1888. do
6335	<i>Poocætes gr. confinis</i>	♂ ad.	161	270	82	66	11		13			28 28.5 29	28	20.5	19	6.2	15	7.8							May 6, 1888 Sy Camo Creek
6339	<i>Buteo borealis calurus</i>	♀ ad.	580	1420	430	250	30		46	42	16	56	95	68	131	93	70	34	59	33	31	19	15.5		May 8, 1888 Squaw Creek
6342	<i>Dendroica nigrescens</i>	♂ ad.	134	210	67	57	11	7.5	14.5						23	18.5	13.5	4	11	4.5					May 9, 1888 Harner's Ranch
6343	" "	♂ ad.	131	202	64	55	10	6.7	13.5						23	18	14	4	11	4.7					May 9, 1888 do
6344	<i>Helminthophila c. lutea</i>	♂ ad.	128	196	65	50	11	8	13						24	18	15.5	4	12	5					May 9, 1888 do
6340	<i>Cardinalis cardinalis</i>	♂ ad.	243	322	103	118	20	14	21			26	41	28	39	28	26	7	19	8					May 9, 1888 Indian Creek
6345	<i>Melanerpes f. bairdii</i>	♂ ad.	246	458	144	91	26	19.5	30			37	54	30	35	22	24	8.7	13	6					May 9, 1888 Harner's Ranch
6346	<i>Pipilo fuscus mex.</i>	♀ ad.	213	296	94	102	17		18								25	25	7	18	8				May 9, 1888 Julesburg
6347	<i>Habia melanocephala</i>	♂ ad.	213	327	101	86	18.7	13	22	13	12	25	40	27			25.5	24	7	17	7				May 9, 1888 Squaw Peak
6348	<i>Chondestes g. strigata</i>	♀ ad.	170	264	84	68	13		15			29	20	20	5	14.5	6								
6349	" "	♂ ad.	185	298	95	82	13		15			29	23.5	20.5	5.1	14.5	6								
6350	<i>Spizella s. arizonae</i>	♀ ad.	141	223	73	65	10		11			24	17	17	4.8	13.3	6.2								
6351	<i>Seturus c. melani</i>	♀ ad.	201	270	88	92	18	13	21.5			33	33	20.5	6	16	6.4								
6352	<i>Certhia richardsoni</i>	♂ ad.	162	277	92	72	13.5	10	19.5			20	14	13	5.5	11	6								
6353	<i>Melanerpes f. bairdii</i>	♀ ad.	240	445	145	90	24.5	18	28			35	50	26.5	35	20.5	23	8.5	13	6					
6354	<i>Spizella woodhousei</i>	♂ ad.	224	310	135	153	30	22	36			57	40	30	9.3	25.5	10.5								
6355	<i>Carpodacus cassinii</i>	♀ ad.	169	283	94	67	12.5		15.5			30	19	20	5.7	15	6.5								
6356	<i>Nycticonax nycticonax macrurus</i>	-																							
6357	<i>Pyrocephalus r. mex.</i>	♂ ad.	162	269	86	65	14.5	10	19			23	17	15	5	10.5	5								
6358	" "	♂ ad.	148	259	82	62	14	9	18			23	16	14.5	5	10	4.8								
6359	" "	♀ ad.	163	259	81	62	14	9.3	19			23.5	17	14.5	4.3	10	4.6								

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ADDITIONAL ARTICLES.

No.	Name	Sex and age	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	Chord of culmen = men's cere.	Cere	Tip of bill to edge of pupil	Tip of bill to edge of pupil to cere	Base of bill to cere	Tibia	Tarsus	Middle toe with its claw	Middle claw	Hallux with its claw	Claw of hallux	Inner claw	Outer claw	Diameter of eye	Weight	Date
6271	<i>Icterus c. nelsoni</i>	♂ ad.	216	288	93	102	31		23						34	22	23	7	16	7					Apr. 25, 1888
6272	<i>Corpodacus frontalis</i>	♀ ad.	151	241	79	63	10.5	8	12						26	16.5	18	5.1	13	6					" " "
6273	<i>Mimus polyglottus</i>	♂ ad.	268	373	121	134	19	12	26						43	32	28.5	6.7	20	8					" " "
6274	<i>Pyrocephalus r. mex</i>	Imm.	149	259	81	60	14	10	19						23	18	14.2	5	10.5	5.5					" " "
6275	<i>Melospiza f. fallax</i>	♀ ad.	156	211	67	72	12	8.2	13			17	30	21.5	28	20.5	19.5	5	15	7					" " "
6276	<i>Mimus polyglottus</i>	♂ ad.	271	378	118	132	20	13	25						47	33	31	8	21	10					" " "
6277	" "	♂ ad.	273	372	121	131	20	13	25						46	33	28.5	7.5	20	9.7					" " "
6278	<i>Icterus c. nelsoni</i>	♂ ad.	212	293	95	98	21		22.7						35	24	23	6.2	17	7					" " "
6279	<i>Stelgidopteryx ser.</i>	♂ ad.	144	330	122	58	7.7	4.8	14						21	11	16	5	10.2	5					" " "
6280	<i>Empidonax obscurus</i>	♂ ad.	156	248	79	68	14	9.7	17.5						25	18.5	15	5	12	6					" " "
6281	<i>Amphispiza bilineata</i>	♂ ad.	157	224	72	72	12		12						25	18	17	5	13	6					" " "
6282	<i>Melanerpes torquatus</i>	♀ ad.	274	543	175	105	27	21	34			39	56	29	38	26	27	10	16	6.2	8	9	5.7	3½ oz	
6283	<i>Polioptila melanocephala</i>	♂ ad.	185	292	102	73	15		16			21	36	24	36	26	24	7	18	7.2	5.2	5.2			
6284	<i>Podilymbus podiceps</i>	♂ ad.	Measurements on other table. Irides, hazel. Bill grayish flesh-color, darker above, and with black (passing through nostrils) transversely. Legs & feet, dusky, plumbeous; claws edged with horn-color.																						
6285	<i>Actitis macularia</i>	♀ ad.	Measurements on another table.																						April 30, 1888
6286	<i>Tringa miniata</i>	♂ ad.	do																						" " "
6287	<i>Molothrus alpestris</i>	♀ ad.	175	288	94	68	14	9	15			19	31	20.5	31	21	22	6.2	17	8.3					" " "
6301	<i>Icterus bullocki</i>	♂ ad.	204	320	103	82	19	13	20.5						35	23	23	6.8	19	8					May 1, 1888
6311	<i>Astragalinus tristis</i>	♀ ad.	138	240	80	57	10.5	8.7	12			16	26	18	23	13.5	15.5	5.3	13	6					May 3, 1888
6312	<i>Hirundo erythrogastra</i>	♂ ad.	195	324	120	101	8	6	16			immature tail, 55	19.5	30	22	23	10.8	16	5	12	5.2				
6313	<i>Myiarchus pusillus</i>	♀ ad.	127	175	58	53	9.5	6	12.5			Crown, black.			25	17	14	4.2	11	4.8					
6314	<i>Amphispiza bilineata</i>	♂ ad.	146	215	68	68	11.5		12.7						26	17.5	16.5	5	13	6.4					
6315	" "	♀ ad.	144	214	68	64	11		12.3						26	19	18	5.1	12.5	6.1					
6316	<i>Steria virens longica</i>	♂ ad.	193	258	85	89	15.5	11	19			24	38	25	35	26	21	5.7	15.5	6					
6317	" "	♂ ad.	195	255	81	88	15	11	20.5			25	39	25	36	27	22	6	16.5	7.4					
6318	<i>Vireo gilvus swainsoni</i>	♀ ad.	139	225	71	55	11.7	7.5	16						23	18.7	13	4	11	5					
6319	<i>Zonotrichia leucoph.</i>	♂ ad.	184	256	83	84	11.7	8.1	13.5			19	31.5	22.5	32	24	23.5	8	17.7	9					
6320	" "	♂ ad.	182	265	83	81	11.3	8	13			18	32	23	33.5	24	23	7	18	8.8					
6321	" "	♂ ad.	186	267	84	83	12.7	8.1	14			19	33	23.5	35	24	23	6	17	8					
6322	" "	♂ ad.	183	263	87	83	11.5	8	14			19	34	24	34	25	24	8	18	9.5					

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Oxyechus vociferus, continued. ADDITIONAL ARTICLES.

No.	Sex and age	Page in Journal	Locality	Date	Height, oz. avoird.	Length to end of claws	Length	Alar expanse	Wing	Tail	Culmen	Gape	Tip of bill to center of pupil.	Tip of bill to occiput.	Base of culmen to occiput.	Diameter of eye.	Length of tibia to end of middle claw.	Tibia.	Bare portion	Tarsus	Middle toe with its claw.	Middle claw	Bill measured from nostril.
5111	♀ ad 140	Peck's Lake, Arizona	Jan. 23 1887		265	265	533	175	108	22.5	24							116	54	18	36	25	5.5
5186	♂ ad 181	Fort Verde, Arizona	Mar. 26 1887		250	258	520	169	103	20.5	23							107	48	18	36	26	4.5

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ADDITIONAL ARTICLES.

No.	Sex	Age	Locality	Date	Length	Wing	Tail	Culmen	Gape	Alar	Mid	Claw	Remarks			
2685	♂	ad.	Verde Arizona	Mar. 28 th	1884	270	512	164	92	20	21	34	26	6	Base of mandible curved a little. Bill, dark. Feet, green. Head of tibia to end of middle claw. Tibia.	
2714	♂	ad.	Verde Arizona	April 10 th	1884	255	495	140	102	18.5	22	20	35	26		4.5
2715	♀	ad.	Verde Arizona	April 11 th	1884	240	519	145	105	22	23	19	34.5	22		6
2716	♂	ad.	Verde Arizona	April 11 th	1884	252	515	164	104	21	21	19	34	26		5.6
2823	♀	ad.	Verde Arizona	May 1 st	1884	254	514	168	92	21.5	23	18	34	25	6	Base of mandible curved a little. Bill, dark. Feet, green. Head of tibia to end of middle claw. Tibia.
2832	♂	ad.	Verde Arizona	May 2 nd	1884	240	522	163	104	22	23	20	34	26.5	6	
3002	♀	ad.	Verde Arizona	June 11 th	1884	254	520	160	93	22	24	20	34.5	27	6	
3185	♀	juv.	Verde Arizona	Aug. 8 th	1884	278	520									
3198	♀	juv.	Verde Arizona	Aug. 13 th	1884	288	525	168	132	19	23	19	37	25	6	See Journal for color of parts. Tail measured to end of filament. Length to end of claws 255.
3232	♂	ad.	Verde Arizona	Aug. 24 th	1884	230	500	158	85	18	22	18	33	25.5	5.5	
3254	♀	juv.	Verde Arizona	Aug. 26 th	1884	245	495	154	123	21	23	22	35	25	5	
3255	♀	juv.	Verde Arizona	Aug. 26 th	1884	245	495	155	120	21	23.5	22	34	24	5	
3256	♂	juv.	Verde Arizona	Aug. 26 th	1884	245	485	155	124	21	23	22	34.5	25	5.3	See Journal for description. No caudal prolongation.
3333	♀	ad.	Verde Arizona	Sept. 15 th	1884	261	500	156	107	20	22	19	35	26.5	6	
3353	♀	ad.	Verde Arizona	Sept. 25 th	1884	267	515	161	111	20	23.5	19	34	26	6.5	
3360	♀	ad.	Verde Arizona	Sept. 26 th	1884	263	522	173	110	19	23	19	32	24	6	
*3048	♀	ad.	Verde Arizona	June 18 th	1884	252	505	155	96	22	23.5	20	35	25	5	Tail measured to end of filament. Length to end of claws 255.
3608	♀	ad.	Verde Arizona	Dec. 4 th	1884	270	512	168	125	23	23	19	35	25	4	
3620	♂	ad.	Verde Arizona	Dec. 5 th	1884	243	532	164	104	21.5	23	21	36	24	6	
3650	♂	ad.	Verde Arizona	Dec. 12 th	1884	240	500	159	106	20	21	16	34	26	5	
3651	♂	ad.	Verde Arizona	Dec. 22 nd	1884	242	508	165	105	21	23	14	35	24	5	Length to end of toes, 270. Length to end of toes, 250. Length to end of toes, 250. Length to end of toes, 250. Length to end of toes, 254.
3794	♀	ad.	Fort Verde Arizona	Feb. 25 th	1885	260	530	168	103	21	23	20	39	27	6	
3795	♂	ad.	Fort Verde Arizona	Feb. 25 th	1885	256	508	168	107	20.5	23	18.5	33	20	6	
3796	♀	ad.	Fort Verde Arizona	Feb. 25 th	1885	266	535	178	113	22	24	19	36	25	6	
3797	♂	ad.	Fort Verde Arizona	Feb. 25 th	1885	250	510	167	101	22	23	19	37	26	4.5	Length to end of toes, 262. Length to end of toes, 263.
3809	♂	ad.	Fort Verde Arizona	Mar. 5 th	1885	250	497	160	103	20.5	24	20	34	25	7.5	
3811	♀	ad.	Fort Verde Arizona	Mar. 7 th	1885	261	518	172	106	19.5	23.5	19	36	26	5	
3812	♂	ad.	Fort Verde Arizona	Mar. 7 th	1885	255	510	167	104	20	23	17.5	37	25	7	
3955	♂	ad.	San Simon, Arizona	Apr. 29	1885	254	515	158	100	20	22	15	35	25	5.5	110 47
3956	♀	ad.	San Simon, Arizona	Apr. 29	1885	260	507	160	105	21	22.5	17	36	26	5.5	
4867	♂	ad.	Fort Verde, Arizona	May 26	1886	253	512	164	100	20	22	16	34	28	5	
4868	♀	ad.	Fort Verde, Arizona	May 26	1886	264	515	167	100	20	23	17	35.5	25	5.8	

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ADDITIONAL ARTICLES.

Harporhynchus curvirostris palmeri Ridgw. Palmer's Thrasher.

No.	Sex and age	Page in Journal	Locality	Date	Length	Wing	Alar expanse	Tail	Culmen	Nostril	Gape	Tarsus	Middle toe and claw	Claw alone	Hallux with its claw	Claw of Hallux	Tip of bill to center of pupil	Tip of bill to back of head	From ear to back of head	
3849	♂ ad	2	Near Hall's Rancho on New River, Arizona	Mar. 28 1885	289	359	116	131	30	22	35	34	32	8	Irides, red.					
3850	♂ ad	2	Near Hall's Rancho on New River, Arizona	Mar. 28 1885	296	360	104	126	31	25	38	32	32	8						
3851	♂ ad	2	Near Hall's Rancho on New River, Arizona	Mar. 28 1885	294	365	111	120	34	26.5	38	36	36	9						
3852	♂ ad	2	Desert Station, Arizona	Mar. 28 1885	295	345	110	125	32	25	37	32	32	9	Irides, red.					
3853	♀ juv.	2	Near Hall's Rancho on New River, Arizona	Mar. 28 1885	265	245														
3862	♀ ad	2	Maricopa, Arizona	April 1 1885	300	355	115	129	33	26	39	34	33	9	Parent of nest No.	$\frac{9}{3}$				
3877	♀ ad	4	Red Rock, Arizona	April 3 1885	280	348	108	121	33.5	25	38	33.5	32	9	Parent of set No.	$\frac{9}{3}$				
3879	♂ juv.	4	Near Red Rock, Arizona	April 3 1885	213	300	85	65							Irides, grayish; mouth, yellow; mandibles, tarsi, feet and claws, dusky.					
4045	♂ ad	14	New River, Arizona	May 15 1885	290	360	109	122	32	25	37	36	35	10	In worn breeding plumage.					
4046	♂ ad	14	Desert Station, Arizona	May 15 1885	295	368	112	130	31	25	36	35	35	9	Parent of set No.	$\frac{9}{3}$				
5064	♂ ad	105	Fort Verde, Arizona	Nov. 28 1886	295	365	111	137	34	27	38	34.5	37	8.5	24	12	44	63	36	

RETURN—Continued.

ADDITIONAL ARTICLES.

Carbochryneus cinereus bendirei (Coues) Kenn. Bendire's Thrasher.

No.	Sex and age	Page in Journal	Locality	Date	Length	Alar expanse	Wing	Tail	Culmen	Gape	Tarsus	Middle toe and claw	Cereus alone	Remarks.
3861	♂ ad.	2	Maricopa, Arizona	April 1 1885	269	348	109	127	26	20	31	34	32	8
3863	♂ ad.	2	Sweet Water, Arizona	April 1 1885	257	325	99	116	25	19	30	34	30	8 Parent of Set No. 710. 713
3868	♂ ad.	2	Casa Grande, Arizona	April 2 1885	260	328	101	116	26.5	20.5	31	33	31	8
3878	♂ ad.	4	Near Red Rock, Arizona	April 3 1885	270	348	112	124	25	19.5	31.5	34	33	9 Parent of Set No. 3+1
3880	♀ juv.	4	Near Red Rock, Arizona	April 3 1885	166	250								Young taken from nest.
3884	♀ ad.	4	Near Hillito Station, Arizona	April 4 1885	260	330	101	122	26	19	30	33	31	8 Parent of nest of 4 eggs, far advanced in incubation. Time measuring 26x20, 27x20, 27x19, 26x19 m.m.
3998	♀ juv.	10	Hillito Station, Arizona	May 8 1885										Young still with parents.
4002	♂ ad.	10	Cicacho Station, Arizona	May 9 1885	272	359	108	124	25	19	30	36	30	7

RETURN—Continued.

ADDITIONAL ARTICLES.

[illegible]

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and Age	Page, in Journal.	Locality	Date	Length	Alar expanse	Wing	Tail	Bill meas- ured from nostril	Gape	Tarsus	Middle toe and claw	Claw alone	Claw of hallux	Culmen.	Hallux with its claw.	Remarks.
			Unter's ludovicianus (Gm.) Licht.														American Titlark.
3483	♂ ad.	245	Stearns Lake, 25 m. north of Ash Fork, A.T. Nov.	7	1884												See Journal.
3610	♂ ad.	242	Fort Verde, Arizona	Dec. 4	1884	168	270	87	73	9.5	17	23	20	5	10		Irides, hazel. Bill, with mandible, brownish black; mandible yellowish at base, shading into brownish black at tip. Tarsi and feet, dark brown; Claws, blackish.
3611	♂ ad.	243	Fort Verde, Arizona	Dec. 4	1884	165	273	87	72	9	16.5	23	19	5	9		Colors same as No. 3610.
3612	♂ ad.	243	Fort Verde, Arizona	Dec. 4	1884	170	276	87	70	9.5	17.5	22	19	5	10		Colors of parts same as No. 3610.
3613	♂ ad.	243	Fort Verde, Arizona	Dec. 4	1884	170	279	87	71	9	17	23.5	20	5	9		Colors of parts same as No. 3610.
3614	♀ ad.	243	Fort Verde, Arizona	Dec. 4	1884	164	268	84	68	9	17	22.5	18.5	4.5	9		Colors of parts same as No. 3610.
3615	♂ ad.	243	Fort Verde, Arizona	Dec. 4	1884	170	277	92	74	9	17	22.5	20.5	5.5	11		Colors of parts same as No. 3610.
3776	♂ ad.	328	Fort Verde, Arizona	Feb. 21	1885	172	282	87	70	9	17	22.5	20	5	8.5		Culmen, 12.
3814	♂ ad.	334	Fort Verde, Arizona	Mar. 7	1885	166	276	88	67	9	17	23	18	4	8		Culmen, 12.
5141	♂ ad.	164	Fort Verde, Arizona	Feb. 23	1887	170	274	86	68	9	16.5	21	18	5	9.6	13	17
5184	♂ ad.	181	Fort Verde, Arizona	Mar. 26	1887	170	272	88	68	9	16.5	23.5	19	4.8	9	13	18
5185	♀ ad.	181	Fort Verde, Arizona	Mar. 26	1887	168	262	82	65	9	17.5	23	19	5.2	12	13	22
5869	♀ ad.	307	Fort Verde, Arizona	Dec. 22	1887	164	269	87	68	9	16	20	18	5	8	12.5	16 28
5870	♀ ad.	307	Fort Verde, Arizona	Dec. 22	1887	161	252	80	64	9.2	17	22	19	5.6	12.5	13.2	21 30
5882	♀ ad.	307	Fort Verde, Arizona	Dec. 22	1887	164	260	85	64	9.6	16.5	22	18.5	5	12.5	13	21 29

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and Age	Page in Journal	Locality	Date	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	Tarsus	Middle toe and claw	Claw alone	Remarks.
<i>Carporhynchus vidxivus lecontei</i> (Lawr.) Coues. Leconte's Thrasher.															
3857	♀ ad.	2	Six miles north of Maricopa, A. T.	Mar. 30 1885	280	310	95	127	33	24	38	32	29	8	A mated pair. Irides, reddish hazel. Bill, plumbeous black. Tarsi and feet, greenish olive; claws, dusky olives.
3858	♂ ad.	2	Six miles north of Maricopa, A. T.	Mar. 30 1885	284	323	102	134	32	24	36	32	30	8	
3860	♀ ad.	2	Maricopa, Arizona	April 1 1885	283	316	101	133	33	25	37	31	28	8	Irides, reddish hazel. Bill plumbeous black.
4009	♂ juv.	10	Near Casa Grande, Arizona	May 11 1885	278	319	98	125	29	22	34	33	30	8	Young of the year.
4010	♂ ad.	12	Between Casa Grande and Sweet Water, Arizona	May 11 1885	282	313	100	128	33	25	37	33	30	8	A mated pair taken with nest and eggs.
4011	♀ ad.	12	Sweet Water, Arizona	May 11 1885	274	311	95	120	33	25	37	32	29.5	8	
4031	♂ ad.	12	Desert Station, Arizona	May 14 1885	285	320	102	133	32	24	36	32	30	8.5	A mated pair; probably breeding. Irides, dark hazel. Bill and claws plumbeous black. Tarsi and feet, plumbeous.
4032	♀ ad.	12	Desert Station, Arizona	May 14 1885	272	310	97	124	30	22	33	30	29	8	

RETURN—Continued.

ADDITIONAL ARTICLES.

Aphelocoma woodhousei (Baird) Ridgw. Woodhouse's Jay.

No.	Sex and Age	Days in Incubation	Locality	Date	Length	Alar expanse	Wing	Tail	Culmen	Gape	Tarsus	Middle toe and claw	Below alone	Remarks
2757	♂ ad	67	Agua Fria, Arizona	April 19 1884	305	410	127	148	29	33	40	31	9	Irides, hazel. Bill, tuck, feet and claws, black.
2772	♀ ad	69	Whipple 73's, Arizona	April 23 1884	290	387	121	134	27	32	39	29	9	Colors same as No. 2757.
2773	♂ ad	69	Whipple 73's, Arizona	April 23 1884	312	404	130	153	26.5	31	37	31	9	Colors same as No. 2757.
2752	♂ ad	71	Near Whipple 73's, Arizona	April 25 1884	322	433	134	156	29	34	41	32	9	Colors same as No. 2757.
2753	♀ ad	71	Near Whipple 73's, Arizona	April 25 1884	296	389	121	143	26	30	39	27.5	8	Colors same as above.
2784	♂ ad	71	Agua Fria, Arizona	April 25 1884	317	409	125	150	28	32	41	31	9	Colors same as above.
2984	♀ ad	55	Upper Canyon near Ft. Verde, Arizona	June 7 1884	298	383	110	140	29	32	36	30	9	Irides, dark brown. Bill, legs, feet and claws, black.
3274	Imm.	185	Fort Verde, Arizona	Sept. 1 1884	305	405	126	147	28	34	40	31	9.5	Colors as above.
3409	♀ ad		Fort Huachuca, Arizona	Oct. 13 1884	297	403	122	141	26.5	30.5	40	31.5	10	Irides, hazel. Bill, legs, feet and claws, black.
3410	♂ ad		Fort Huachuca, Arizona	Oct. 13 1884	315	420	130	155	27	31	42	31	9.5	Colors same as No. 3409.
3510	♀ ad	248	Pine Springs, Mojave Co., Arizona	Nov. 15 1884	1175	1570								
3592	♀ ad	235	Whipple 73's, Arizona	Nov. 25 1884	292	393	125	143	27	31	39	29	9	Irides, hazel. Bill, blue-black, slightly tipped with horn color. Tarsus, feet and claws, black.
3726	♀ ad	314	Indian Garden on Oak Creek, A.T.	Jan. 17 1885	300	399	126	148	27	32	42	32	9	Colors same as No. 3726.
3727	♀ ad	314	Indian Garden on Oak Creek, A.T.	Jan. 17 1885	295	392	124	140	26	29	38	31	9.5	Colors same as No. 3726.

RETURN—Continued.

Corpotacus frontalis Say

ADDITIONAL ARTICLES.

House Finch.

[illegible]

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and age.	Page in Journal.	Date	Locality	Length	Alar expanse	Wing.	Tail.	Culmen	Gape.	Bill, measured: from nostril.	Tip of bill to center of pupil.	Tip of bill to occiput.	Base of culmen to occiput.	Tibia.	Tarsus.	Middle toe with its claw.	Middle claw.	Hallux with its claw	Claw of hallux.	Height of bill at base of bill	Width of bill at base	Middle toe alone.	
Carpodacus frontalis Say. House Finch.																								
2676	♂ ad.	57	Mar. 22, 1884	Prescott, Arizona.	161	253	79	67	10	11							17	18	5	"Iris, hazel."				
2677	♂ ad.	57	Mar. 22, 1884	do.	160	255	80	70	11	12							17	18	5	"Iris, hazel."				
2798	♂ ad.	73	Apr. 28, 1884	Fort Verde, Arizona.	155	253	77	70	9.5	10.5							17	19	5.5					
3638	♂ ad.	267	Dec. 17, 1884.	"	148	248	78	63	10	11							17	19	6					
3639	♂ ad.	267	Dec. 17, 1884.	"	158	258	80	67	11	12							18	20	5					
3819	♂ ad.	336	Mar. 14, 1885.	"	154	245	80	70	11	11.5							17	18.5	5		8	7.5		
4281	♂ ad.	52	Nov. 13, 1885.	"	164	257	80	69	11	12							19	21.5	5				16	
4440	♂ ad.	110	Jan. 21, 1886.	"	160	267	84	69	10	12			17	29	32.		18	19	5.5	13	6	9.5	8.5	14.5
4509	♂ ad.	135	Mar. 1, 1886	"	158	260	83	69	11.5	12							17	19	5	13.5	6	10	9	
4517	♂ ad.	136	Mar. 1, 1886.	"	154	247	80	66	11	12.5							17	18	5					
4578	♂ ad.	142	Mar. 6, 1886	"	155	247	82	67	11	12							18	20	6					
4604	♂ ad.	155	Mar. 15, 1886	"	155	250	80	68	10.5	12							17	18	4					
4605	♂ ad.	155	Mar. 15, 1886	"	167	253	84	68	11	13							17	19	5					
4606	♂ ad.	155	Mar. 15, 1886	"	158	251	81	68	10	12							17	19.5	5.2					
4607	♂ ad.	155	Mar. 15, 1886	"	157	250	81	66	10.6	12							18	20	6					
5703	♂ ad.	284	Nov. 1, 1887	"	156	253	83	67	10.7	12							18	20	5.6					
6025	♂ ad.	5	Feb. 3, 1888	Payson, Arizona	159	260	84	68	10.6	12.5					27		17	19	5	13	6			
3065	♀ ad.	123	June 23, 1884	Prescott, Arizona.	155	248	76	66	11	13							18	18	5					
3098	♀ ad.	137	July 14, 1884.	"	155	240	78	66	12.5	13							18	19	5.5					
3742	♀ ad.	320	Jan. 30, 1885	Fort Verde, Arizona.	152	252	80	66	11	11.5							19	18	5					
4057	♀ ad.	14	May 17, 1885	Black Canon, Arizona.	155	242	78	62	11	11.5							18	18.5	6					
4085	♀ ad.	347	June 6, 1885	Fort Verde, Arizona.	156	243	78	64	12	12							20	20	6					
4608	♀ ad.	155	Mar. 15, 1886	"	149	239	77	62	10.5	12							16.5	18	5					
4674	♀ ad.	166	Mar. 25, 1886.	"	153	241	77	65	10.5	11.5							17.5	19	5					
5883	♀ ad.	307	Dec. 22, 1887	"	155	250	80	64	11.5	12.4	9					27	18	18	5	13	5.8			
5920	♀ ad.	310	Jan. 2, 1888	"	152	244	79	64	10.5	11.7	8					25.5	17	17	5.1	13	6			
5921	♀ ad.	310	Jan. 2, 1888	"	158	249	80	68	11	12.3	8.5					26	18.5	18.3	5.5	13	6			

* Expunge No. 3638 from the table of measurements.

(Over)

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and age Page no. journal	Date.	Locality	Carpodacus cassinii Baird. Cassin's Purple Finch.									
				Length	Max. expanse.	Wing.	Tail.	Culmen.	Gape.	Height of bill at base.	Width of bill at base.	Tarsus.	Middle toe with its claw.
4679	♀ ad. 166	Mar. 25, 1886.	Fort Verde, Arizona.	168	280	92	67	12.5	14			18	20.5
4680	♀ ad. 166	Mar. 25, 1886	do.	159	270	90	64	11	13			17	19.5
4640	♂ juv. 158	Mar. 18, 1886.	Fort Verde, Arizona.	164	281	92	64	14	16.5			18	20.5
4676	♂ juv. 166	Mar. 25, 1886	do.	170	283	94	68	13	14			19	22.6

RETURN—Continued.

ADDITIONAL ARTICLES.

Carpodacus purpureus californicus Baird. California Purple Finch.																	
No.	Sex and age.	Page in Journal	Locality	Length	Alar expanse	Wing	Tail	Culmen	Gape	Height of bill at base.	Width of bill at base.	Tarsus.	Middle toe with its claw.	Middle claw.	Claw with its claw.	Claw of hallux.	Date.
4508	♂ ad.	135	Fort Verde, Arizona.	160	255	84	64	12	15	10.5	8.5	19	19	5.5	13	6	Mar. 1, 1886.
4521	♂ ad.	136	" "	160	255	83	64	13	15			19	20	6			Mar. 1, 1886
4547	♂ ad.	140		154	256	82	61	12.5	14			18.5	20	6			Mar. 5, 1886
4568	♂ ad.	141		158	252	82	63	12.5	14.5			18	20	5.5			Mar. 6, 1886
4569	♂ ad.	141		154	245	82	61	13	14.5			18	18	5.5			Mar. 6, 1886
4599	♂ ad.	155		154	246	81	60	12.5	14			18	20	6			Mar. 15, 1886
4600	♂ ad.	155		158	251	81	63	12	14.5			18	21.5	7			Mar. 15, 1886
4659	♂ ad.	163		156	248	79	62	12.6	13.5			18	20	6.2			Mar. 23, 1886
4660	♂ ad.	163		159	254	81	64	12.5	14			19	21	6.5			Mar. 23, 1886
4661	♂ ad.	163		158	257	83	64	12.8	13.6			19	20	5.7			Mar. 23, 1886
4670	♂ ad.	165		159	253	83	65	13	14.5	9	8.3	17	19	6			Mar. 25, 1886
4671	♂ ad.	165		160	254	83	65	13	15			18	19	5			Mar. 25, 1886
4571	♀ ad.	136		160	254	83	61	12.5	14			19.5	21	6.5			Mar. 1, 1886
4534	♀ ad.	138		154	247	80	62	12	14			19	20.5	6			Mar. 2, 1886
4535	♀ ad.	138		150	244	79	62	12	14			18.5	20	6			Mar. 2, 1886
4536	♀ ad.	138		156	249	80	62	12.3	14.3			18	20	5.3			Mar. 2, 1886
4539	♀ ad.	138		152	250	80	61	12	14.5			18	20	5.5			Mar. 2, 1886
4555	♀ ad.	140		155	245	80	60	13.5	15			17.5	20	6			Mar. 5, 1886
4557	♀ ad.	140		161	246	80	64	14	16			18	20	6			Mar. 5, 1886
4558	♀ ad.	140		147	240	77	59	13	15			17	20	6			Mar. 5, 1886
4570	♀ ad.	141		149	237	78	58	11.5	13			17	18	5			Mar. 6, 1886
4571	♀ ad.	141		156	247	82	60	13	14.5			19	19.5	5.5			Mar. 6, 1886
4614	♀ ad.	156		155	248	79	57	12	14			19	20	6			Mar. 15, 1886
4615	♀ ad.	156		155	242	78	61	12	14.5			17.5	19	5.7			Mar. 15, 1886
4616	♀ ad.	156		154	245	80	58	11	13			18.5	20	6			Mar. 15, 1886
4638	♀ ad.	158		154	250	83	66	11.6	13.6			18.5	20	5.2			Mar. 18, 1886
4662	♀ ad.	163		156	245	78	63	11.5	13			17	19.5	6			Mar. 23, 1886
4663	♀ ad.	164		155	250	80	62	12	14			18.5	20	5.2			Mar. 23, 1886

RETURN—Continued.

ADDITIONAL ARTICLES.

Lanius ludovicianus excubitorides (Sw.) Cass. White-rumped Shrike.

70	Sex and Age	Page no. in journal	Locality	Date	Length	Wing	Tail	Culmen	Bill measured from nostril	Gape	Tarsus	Middle toe and claw	Claw alone	Remarks
2743	ad	65	Fort Verde, Arizona	April 5 1884	231	324	110	106	16.5	25	27	24	7	Sides, legs. Bill and feet, black.
2776	♂ ad	75	Whipple Barracks, Arizona	April 23 1884	234	332	99	107	17	24	28.5	24	7	Sides, legs. Bill, legs, feet and claws, black.
2785	♂ ad	71	Agua Fria at Saulting, A.T.	April 25 1884	238	328	99	107	17	26	27	23.5	7	
2808	♂ ad	74	Fort Verde, Arizona	April 29 1884	232	335	102	105	17	23.5	27.5	26	8	
2809	♂ ad	74	Fort Verde, Arizona	April 29 1884	223	322	98.5	102	17.5	26	28	25	7	
2819	ad	75	Fort Verde, Arizona	May 1 1884	233	327	98	104	18.5	26	27	25	8	
3020	♀ ad	111	Fort Verde, Arizona	June 16 1884	225	319	97	102	16	24	27.5	23.5	8	See Journal for description.
3133	♂ juv.	138	Fort Verde, Arizona	July 14 1884	239	333	102	110	18	25	28	24	8	See Journal for description.
3104	♀ juv.	138	Fort Verde, Arizona	July 14 1884	226	320	95	107	17	25	28	24	5	See Journal for description.
3105	♀ juv.	138	Fort Verde, Arizona	July 14 1884	226	310	99	107	16.5	24	27	24	8	See Journal for description.
3106	♂ juv.	138	Fort Verde, Arizona	July 14 1884	230	323	99	107	17	25	28	24	9	See Journal for description.
3582	♂ ad	255	Williamson's Valley, Arizona	Nov. 23 1884										See Journal.
3587	♀ ad	235	Whipple Barracks, Arizona	Nov. 25 1884	235	312	98	107	16	25	28	25	7.5	
3612	♀ ad	239	Fort Verde, Arizona	Nov. 29 1884	233	324	98	108	17	25	28	24	8	See Journal.
3678	ad	276	Fort Verde, Arizona	Jan. 3 1885	235	330	103	112	18	25	28	24	7	
3741	♀ ad	279	Fort Verde, Arizona	Jan. 8 1885	235	323	101	107	16	25	29	24	7.5	See Journal.
3815	♀ ad	334	Fort Verde, Arizona	March 7 1885	234	327	103	104	17	25	27	25	7	

Tab. IV.
RETURN—Continued.

ADDITIONAL ARTICLES.

Measurements of Euphonia curvirostris salmeri

No.	Sex and age.	Locality	Date	Length	Alar expanse	Wing	Tail	Culmen from base	Culmen from nostril	Gape	Tarsus	Middle toe and claw	Its claw alone
3849.	♂ ad.	Near Bull's Ranch, New River, Arizona	Mar. 28 1885	289	359	116	131	30	23	35	24	32	8
3850.	♂	" " " " " "	Mar. 28 1885	296	360	104	126	31	25	38	32	32	8
3851.	♂	" " " " " "	Mar. 28 1885	294	365	111	120	34	26.5	38	36	36	9
3852.	♂	Desert Station, Arizona	Mar. 28 1885	295	345	110	125	32	25	37	32	32	9
4045.	♂	New River, Arizona	May 15 1885	290	360	109	122	32	25	37	36	35	10
4046.	♂	Desert Station, Arizona	May 15 1885	295	368	112	130	31	25	36	35	35	9
3862.	♀ ad.	Maricopa, Arizona	April 1 1885	300	355	115	129	33	26	39	34	33	9
3877.	♀	Red Rock, Arizona	April 3 1885	280	348	108	121	33.5	25	38	33.5	32	9
Average of six males				293	360	110	126	31.6	24.7	36.8	34.1	33.6	8.8
Maximum "				296	368	116	131	34	26.5	38	36	36	10
Minimum "				289	345	104	120	30	22	35	32	32	8
Average of two females				290	352	112	125	33.2	25.5	38.5	33.7	32.5	9
Maximum "				300	355	115	129	33.5	26	39	34	33	9
Minimum "				280	348	108	121	33	25	38	33.5	32	9

Tab. V.
~~RETURN~~ Continued.

ADDITIONAL ARTICLES.

Microtus eremicus *cinereus* *landrean*

No.	Sex and age	Locality	Date	Length	Maximum	Wing	Tail	Distance from ear	Crown	Ear	Side	Fore	Middle toe and claw	St. claw alone
3861.	♂ ad.	Maricopa, Arizona.	April 1 1885	269	348	109	127	26	20	31	34	33	8	
3863.	♂ "	Sweet Water, "	April 1 1885	257	325	99	116	25	19	30	34	30	8	
3868.	♂ "	Onca Grande, "	April 2 1885	260	328	101	116	26.5	20.5	31	33	31	8	
3878.	♂ "	Near Red Rock, "	April 3 1885	271	348	112	124	25	19.5	31.5	34	33	9	
4002.	♂ "	Picacho Station, "	May 4 1885	272	359	108	124	25	19	30	36	30	7	
3884.	♀ ad.	San Rito Station, "	April 4 1885	260	330	101	122	26	19	30	33	31	8	
Average of five males				266	342	106	121	25.5	19.6	30.7	34	31.2	8	
Maximum "				272	359	112	127	26.5	20.5	31.5	36	33	9	
Minimum "				257	325	99	116	25	19	30	33	30	7	

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and Age	Locality	Species	Year	Length	Wing	Tail	Culmen	Gape	Maxilla	Min. Culmen	Remarks
2673	♂ ad 59	Fort Verde, Arizona	<i>Pipilo aberti</i>	April 5 1884	236	246	42	114	16	17.5	30	25 9
2672	♂ ad 66	Fort Verde, Arizona	<i>Pipilo aberti</i>	April 2 1884	237	252	40.5	116.5	17	16	31	24 9
2713	♂ ad 62	Fort Verde, Arizona	<i>Pipilo aberti</i>	April 16 1884	236	261	87	111	15	17	29	23.3 9
2746	♀ ad 64	Fort Verde, Arizona	<i>Pipilo aberti</i>	April 15 1884	233	264	88	110	15.5	16.5	22	26 2
2862	♂ ad 51	Fort Verde, Arizona	<i>Pipilo aberti</i>	May 12 1884	228	269	87	112	16.5	17	29	28 9
2777	♀ ad 44	Fort Verde, Arizona	<i>Pipilo aberti</i>	May 29 1884	225	280	86	113	16.5	17	28	27 9
2970	♂ ad 50	Fort Verde, Arizona	<i>Pipilo aberti</i>	June 4 1884	230	273	93	114	17	18	29	28 9
3062	♀ ad 122	Fort Verde, Arizona	<i>Pipilo aberti</i>	June 22 1884	235	284	85	116	16	17.5	29	26.5 9
3147	♀ juv 146	Fort Verde, Arizona	<i>Pipilo aberti</i>	July 21 1884	239	298	91	11	16	17	30	28 9.5
3173	♂ juv 151	Fort Verde, Arizona	<i>Pipilo aberti</i>	July 29 1884	235	285	84	130	16	17	29	27 9
3308	♀ juv 199	Fort Verde, Arizona	<i>Pipilo aberti</i>	Sept 11 1884	234	280						
3432	♀ ad	Fort Verde, Arizona	<i>Pipilo aberti</i>	Oct. 16 1884	221	264	84	116	16	16	30	27 9
3653	♀ ad 262	Fort Verde, Arizona	<i>Pipilo aberti</i>	Dec. 22 1884	235	271	90	117	15	15.5	29	28 9
3659	♀ ad 264	Fort Verde, Arizona	<i>Pipilo aberti</i>	Dec. 25 1884	233	269	92	117	16	16	29	27.5 9.5

See Journal.

See Journal.

See Journal.

See Journal.

RETURN—Continued.

ADDITIONAL ARTICLES.

Salamospiza melanocorys (Townsend) Stejneger. *Dark Dismal.*

No.	Sex and Age	Page in journal	Locality	Date	Length	Wing	Tail	Culmen	Gape	Tarsus	Middle toe and claw	Glossy with	Claw	Remarks
2750	♂ ad	66	Fort Verde, Arizona	April 17 1884	75.3	12.8	7.3	14	15.7	2.6	2.4	6		For description see Journal.
2751	♀ ad	67	Fort Verde, Arizona	April 17 1884	168	27.6	9.2	0.0	14	5	22	2.3	6	Bill dusky brownish line on middle.
3272	♂ ad	185	Fort Verde, Arizona	Sept. 1 1884	175	28.3	7.7	7.3	14	5.5	2.3	2.5	6	Bill dusky brownish line on middle.
3273	♂ ad	185	Fort Verde, Arizona	Sept. 1 1884	175	28.7	7.7	7.1	14	10	2.5	2.1	5.5	For colors of bands see journal.
3734	♂ ad		San Carlos, Indian Agency, A.T.	Oct. 19 1884	185	29.7	9.1	7.8	15	10	2.0	2.4	5.5	See journal.
3741	♂ ad		San Carlos, Indian Agency, A.T.	Oct. 19 1884	187	29.7	9.0	7.8	15.5	10.5	2.8	2.5	7	
3741	♂ ad		San Carlos, Indian Agency, A.T.	Oct. 19 1884	188	30.0	9.3	8.0	14.5	10	2.0	2.4	6.5	
3761	♂ ad		Bot. the Wild Rye and Pine Creek, A.T.	Oct. 24 1884	175	29.2	8.7	7.2	14.5	14.5	2.5	2.3	5.5	
3652	♂ ad	277	Fort Verde, Arizona	Jan. 3 1885	178	28.7	9.0	7.4	14	10	2.4	2.2	5	
3653	♀ ad	277	Fort Verde, Arizona	Jan. 3 1885	176	27.8	8.5	7.2	13	13	2.4	2.1	5	
3749	♂ ad	323	Fort Verde, Arizona	Feb. 5 1885	175	30.5	9.2	7.8	15	10	2.7	2.5	6.5	
3750	♂ ad	323	Fort Verde, Arizona	Feb. 5 1885	175	29.2	9.1	7.6	14	10	2.6	2.3	7	
3751	♀ ad	324	Fort Verde, Arizona	Feb. 5 1885	170	27.0	8.2	6.8	14.5	10.5	2.5	2.2	5.5	
3752	♂ ad	324	Fort Verde, Arizona	Feb. 5 1885	180	28.2	9.2	7.3	15.5	16	2.5	2.3	6	
3848	♂ ad	3	Desert Station Arizona	Mar. 28 1885	183	29.2	8.8	7.2	14	14	2.5	2.4	6	
3923	♂ ad	6	Leper, New Mexico	Apr. 16 1885	185	29.4	9.3	7.4	14.5	16	2.5	2.4	7	
3932	♂ ad	6	Leper, New Mexico	Apr. 17 1885	180	29.5	8.9	7.2	14.5	15	2.6	2.3	6	8
5281	♀ ad	226	Fort Verde, Arizona	May 3 1887	180	28.5	8.9	7.2	13	14	2.4	2.5	5.8	
5283	♂ ad	226	Fort Verde, Arizona	May 3 1887	175	29.0	8.8	7.5	15	16	2.4	2.2	6.5	17 8
5284	♂ ad	226	Fort Verde, Arizona	May 3 1887	188	29.2	8.9	7.4	15	15.5	2.5	2.3	6	

RETURN—Continued.

ADDITIONAL ARTICLES.

Guiraca caerulea (Sinn.) Swainson

Blue Grosbeak

Locality

Date

Length

Wing

Tail

Measure

Weight

Sex

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

Measure

2863	♂ ad 81	Fort Mojave	Arizona	May 13, 1884	184	290	91	78	6	7	20	25	7	mandible bluish horn color, legs, feet and claws very dark brown.							
2864	♂ ad 81	Fort Mojave	Arizona	May 13, 1884	180	280	89	76	16	16.5	21	24	6.5								
2887	♂ ad 23	Fort Verde	Arizona	May 21, 1884	188	298	92	80	17	19	22	24.5	7	Birds hazel, bill with maxilla blackish, mandible bluish, legs feet & claws brownish black.							
2956	♂ ad 46	Fort Verde	Arizona	May 30, 1884	188	295	91	77	8	18	20	22	7.5	Birds hazel, bill with maxilla blackish, mandible pale bluish, legs, feet and claws very dark brown.							
2960	♂ ad 52	Fort Verde	Arizona	June 5, 1884	176	290	88	71	7	18.2	20	22.5	7	Parents of set, no. 2. Birds dark hazel, bill with maxilla olive brown, mandible horn color, legs feet & claws brown.							
2991	♀ ad 102	Fort Verde	Arizona	June 10, 1884	177	279	85	72	17	18.5	22	23.5	7								
3003	♀ ad 104	Fort Verde	Arizona	June 11, 1884	180	275	83	70	16	17	21	22	7								
3012	♂ ad 107	Fort Verde	Arizona	June 13, 1884	183	288	90	73	17.5	18	20	22	7	Birds dark brown, bill with maxilla black, mandible bluish horn color, legs feet & claws purplish brownish black.							
3029	♂ ad 114	Fort Verde	Arizona	June 17, 1884	188	290	89	78	16	17.5	21	24	7	Birds hazel, bill with maxilla brownish black, mandible bluish horn color, legs, feet and claws brownish black.							
3030	♀ ad 116	Fort Verde	Arizona	June 17, 1884	176	274	83	71	15	18	20	22.5	6.5								
3038	♂ ad 117	Fort Verde	Arizona	June 19, 1884	181	282	89	74	16	18.5	20.5	24	7								
3060	♂ ad 121	Fort Verde	Arizona	June 21, 1884	181	285	89	74	6	17	21	22	6.5								
3078	♀ ad 130	Fort Verde	Arizona	July 8, 1884	180	280	83	73	17	18	22	23	7	Birds hazel, bill olivaceous brown, tarsi & feet plumbeous; claws, dusky brown, not plumbeous.							
3108	♂ juv 149	Fort Verde	Arizona	July 26, 1884	177	275	86	71	17	18.5	24.5	23.5	6								
3186	♂ ad 160	Fort Verde	Arizona	Aug 8, 1884	186	288	90	76	17	17.5	22	22	7	Birds hazel, bill purplish slate-color, pinkish purple on mandibles. Tarsi & feet plumbeous brown; claws brownish flesh color.							
3240	♂ juv 179	Fort Verde	Arizona	Aug 14, 1884	176	278	86	72	16.5	17.5	19	22	6.5								
4056	♀ ad 347	Fort Verde	Arizona	June 6, 1885	181	282	89	72	18	19	21	22	6								
4089	♂ ad 348	Fort Verde	Arizona	June 12, 1885	189	297	94	81	17	17.5	21	23	6								
4155	♂ ad 415	Fort Verde,	Arizona	Aug. 6, 1885	190	297	92	75	12	18.5	21	22	7								
4156	♂ ad 415	Fort Verde,	Arizona	Aug. 6, 1885	186	297	92	76	18	18	23	24	6								
4856	♂ ad 232	Fort Verde,	Arizona	May 21, 1886	184	289	93	78	17	20	20	22.5	6								
4979	♂ ad 46	Fort Verde,	Arizona	Aug 28, 1886	192	305	95	80	17	18.5	22	23	5.8	13.5	12						
4998	♀ ad 56	Fort Verde,	Arizona	Sep. 6, 1886	177	270	85	70	17	17.5	21.3	24	7.5	7							
5308	♂ ad 231	Fort Verde,	Arizona	May 6, 1887	189	298	96	75	17	18.5	32	23	6	12	11	12	22	34	23	16	7

RETURN—Continued.

ADDITIONAL ARTICLES.

No.		Locality.		Date		Sex		Age		Weight		Length		Wing		Tail		Culmen		Tarsus		Middle toe		Claw		Notes	
2712		♀ ad	62	Fort Verde	Arizona	April 10	1884	306	320	99	144	104	32	34.5	34	31	9										Bill, yellowish brown. Feet, black. Large and feet, brownish-black; claws, dusky.
2719		♀ ad	63	Fort Verde	Arizona	April 11	1884	305	318	95	140	98.5	30.5	42	33	29.4	7.6										Bill, yellow. Bill, black.
2799		♀ ad	73	Fort Verde	Arizona	Dec. 27	1884	290	304	95	135	38	30.5	39	31.5	31	8										Bill, pale yellowish-brown. Bill, black. Feet and feet, dusky greenish-yellow.
2800		♀ juv.	73	Fort Verde	Arizona	Dec. 29	1884	253	300																		Young of the year. Weighing in No. 2799.
2836		♀ ad	76	Fort Verde	Arizona	May 2	1884	308	327	99	143	38	30	42	36	32	8										Bill, brownish-yellow. Bill, black. Feet, and claws, dark brownish-yellow.
2831		♀ ad	77	Fort Verde	Arizona	May 2	1884	297	311	92	134	38	30	41	34	30	8										
2955		♀ juv.	46	Fort Verde	Arizona	May 30	1884	300	325																		
2969		♀ ad	50	Fort Verde	Arizona	June 4	1884	316	330	100	142	43	34	45	35	30	7										
3018		♀ ad	111	Fort Verde	Arizona	June 16	1884	300	313	95	133	38	30.5	41	32	31	6										See journal for colors of parts.
3035		♀ juv.	112	Fort Verde	Arizona	June 16	1884	305	327	100	104	30	22	35	35	30	8										See journal.
3026		♀ juv.	113	Fort Verde	Arizona	June 16	1884	215			82	21		21													See journal.
3072		♀ juv.	125	Fort Verde	Arizona	June 29	1884																				In full first plumage.
3306		♀ ad	197	Fort Verde	Arizona	Sept. 10	1884	318	322	99	148	38	30	40	33	30	8										See journal for description.
3600		♀ ad	235	San Juan Co. N.M.	Philippine Islands, U.S.	Nov. 25	1884	305	320	98	148	38	32	41	33	29	8										
3604		♀ ad	240	Fort Verde	Arizona	Dec. 3	1884	303	317	45	143	39	31	41	34	31	9										
3635		♀ ad	266	Fort Verde	Arizona	Dec. 17	1884	310	330	100	145	39	31.5	43	33	31	9										Bill, pale straw color. Bill, black; feet and claws, bluish-brown.
3695		♀ ad	281	Fort Verde	Arizona	Jan. 10	1885	310	330	102	145	36	30	42	34	30	7										
3740		♀ ad	323	Fort Verde	Arizona	Feb. 5	1885	290	315	97	137	36	30	42	34	30	8										
3767		♀ ad	326	Fort Verde	Arizona	Feb. 17	1885	310	332	108	152	39	31	41	33	31	7										
3937		♀ ad	6	Deming, New Mexico		April 20	1885	313	322	101	147	39	31	43	34	30	8										
3938		♀ ad	6	Deming, New Mexico		April 30	1885	294	333	105	136	39	31	42	35	30	7.5										
3948		♀ ad	8	Deming, New Mexico		April 30	1885	305	333	102	137	37	30	41	35	30	8										
3959		♀ ad	8	Chiricahua Mts. near Bowie Station		April 30	1885	298	326	100	150	35	25	40	34	31	8										Parent of nest containing young.
4279		♀ ad	52	Fort Verde, Arizona		Nov. 13	1885	312	320	102	149	41	32	43	33	31.5	9										See journal.
4309		♀ ad	56	Fort Verde, Arizona		Nov. 25	1885	297	307	99	143	36	29	41	32	29	7										See journal.
4499		♀ ad	131	Fort Verde, Arizona		Feb. 18	1886	312	325	100	145	38	29	40	33	30	7.5										Unmated, pair taken with nest and eggs.
4502		♀ ad	132	Fort Verde, Arizona		Feb. 20	1886	309	330	105	148	38	30	42	31.5	27	7										
4855		♀ ad	3	Fort Verde, Arizona		June 5	1886	300	322	99	140	36	30	40	33	30	8										
4963		♀ ad	27	Fort Verde, Arizona		Aug. 7	1886	297	322	100	142	36.5	30	40	33	30	8										
5049		♀ ad	79	Fort Verde, Arizona		Nov. 1	1886	316	325	102	167	38	31	41	34	31	8.5										
5701		♀ ad	284	Fort Verde, Arizona		Nov. 1	1887	311	322	108	147	37.5		43	35	30	7.3	46	22.3	11							

RETURN—Continued.

ADDITIONAL ARTICLES.

Gymnocitta cyanocapitata Max. Maximilian's Nutcracker; Pinon Jay.

No.	Sex and Age	Page in Journal	Locality	Date	Length	Wing	Tail	Culmen	Gape	Tarsus	Middle toe and claw	Claw alone	Remarks.	
3338	♂ ad	209	Fort Verde, Arizona	Sept. 23 1884	298	470	149	113	34	38	40	34.5	10	Irides, hazel. Bill, tarsi, feet and claws, black.
3339	♀ ad	209	Fort Verde, Arizona	Sept. 23 1884	284	450	145	113	35	37	38	38.5	8.5	Colors the same as above.
3407	♂ ad		Fort Apache, Arizona	Oct. 13 1884	301	486	154	120	37	40	39	34	10.5	Irides, hazel. Bill, tarsi, feet and claws, black.
3408	♀ ad		Fort Apache, Arizona	Oct. 13 1884	281	462	143	113	34	37	37	30	9	Colors as above. Crop filled with acorns of juniper oak.
3583	♀ ad	233	Granite Mountain, Arizona	Nov. 24 1884	285	470	145	111	34	38	40	32	9	
3584	♀ ad	234	Granite Mountain, Arizona	Nov. 24 1884	274	460	142	107	32	34.5	39	28	9	
3585	♀ ad	234	Granite Mountain, Arizona	Nov. 24 1884	285	460	146	113	34	38	38	30	10	
3586	♀ ad	234	Granite Mountain, Arizona	Nov. 24 1884	277	452	144	112	33	37	39	29	9	
3712	♀ ad	312	Oak Creek, Arizona	Jan. 15 1885	277	465	150	111	31	33	39	32	9	Bill, measured from nostril, 20. Irides, hazel. Bill, tarsi, feet and claws, black.

RETURN—Continued.

ADDITIONAL ARTICLES.

Agelaius phoeniceus.

Red-winged Blackbird.

			Length.	Wing.	Tail	Culmen	Gape	Tibia	Tarsus	Middle toe with its claw.	Middle claw	Hind toe with its claw	Hind claw.	
5828	♂ juv	Irides hazel. Bill, legs feet and claws, black.	246	404	132	103	21	22	47	32	29	8.5	24	11
5829	♂ juv.	do	241	402	130	100	21.5	21.5	44	31	30	8.5	24	11
5830	♂ juv.	do	239	400	127	97	21	22	45	30	32	11	25	12
5831	♂ juv.	do	236	395	129	97	20	20.5	42	30	28.5	9	22	10
5832	♂ juv.	do	234	385	122	96	21	22	44	31.5	30	9	24	11
5833	♂ juv.	do	229	387	126	93	21	21.5	41.5	30	29	10	24	11.3
5834	♂ juv.	do	240	402	130	98	20.5	21	44	33	31	8.5	24	10
5835	♂ juv.	do	237	395	130	95	22	22	44	30	30	9.5	24	10.5
5836	♂ juv.	do	234	387	127	97	20.5	20	43	29	29	9	23	10.7
5900	♂ juv.		235	382	125	95	21	22	42	31	30	9.3	22.5	11
5901	♂ juv.		240	403	129	96	23	22	43.5	31.5	31.5	9	23	11
5902	♂ juv.		230	391	129	97	21	21	42	29	29	9	21.5	11
5903	♂ ad.		245	398	131	104	22	22	41	30	30	9.3	21.5	11

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and Age	Page in Journal.	Locality—	Date	Length	Wing	Tail	Culmen	Gape	Tarsus	Middle toe and claw	to last about	Remarks.
			<i>Agelaius phoeniceus</i> (Linn.)										Vicill. Red-and-Tail-shinned Blackbird.
3554	♂ ad	248	Indian Springs, Colorado, U.S.	Nov. 12 1884	350	408	134	110	23	22	30	31	8.5
3743	♂ ad	323	Fort Verde, Arizona	Feb. 5 1885	350	408	134	110	23	22	30	31	8.5
3744	♂ juv.	323	Fort Verde, Arizona	Feb. 5 1885	334	393	125	95	22.5	22.5	32	31	9
3745	♀ ad	323	Fort Verde, Arizona	Feb. 5 1885	201	332	108	81	18	18.5	25	26	8.5
3746	♀ ad	323	Fort Verde, Arizona	Feb. 5 1885	204	337	108	83	19	19	26	27	9
3747	♀ ad	323	Fort Verde, Arizona	Feb. 5 1885	212	342	112	90	20.5	21	27.5	27	8.5
3762	♀ ad	326	Fort Verde, Arizona	Feb. 17 1885	212	350	112	90	20	20	27	28	8.5
3763	♀ ad	326	Fort Verde, Arizona	Feb. 17 1885	198	327	108	78	18	19	27	26	8
3764	♀ ad	326	Fort Verde, Arizona	Feb. 17 1885	202	336	105	84	20	20	26	27	8
3781	♀ ad	329	Fort Verde, Arizona	Feb. 25 1885	195	329	104	78	20	20	26.5	26	8
3782	♀ ad	329	Fort Verde, Arizona	Feb. 25 1885	191	331	106	80	19.5	19	26	27	8
3783	♀ ad	329	Fort Verde, Arizona	Feb. 25 1885	195	339	106	83	18	18	27	26	8.5
3784	♀ ad	329	Fort Verde, Arizona	Feb. 25 1885	195	330	108	81	18	17.5	26	25	7
3785	♀ ad	329	Fort Verde, Arizona	Feb. 25 1885	206	349	116	90	19.5	19	26.5	27	8.5
3807	♀ ad	333	Fort Verde, Arizona	Mar. 5 1885	211	342	109	83	19	20	29	28	8.5
3808	♀ ad	333	Fort Verde, Arizona	Mar. 5 1885	208	335	105	85	20	20	27	26	8

For description see Journal.

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RETURN—Continued.

ADDITIONAL ARTICLES.

<p><i>Passer domesticus</i> L. in C. in.</p>													
<p>Feet.</p>	<p>Wing.</p>	<p>Tail.</p>	<p>Culmen.</p>	<p>Gape.</p>	<p>Maxilla.</p>	<p>Min.</p>	<p>Max.</p>	<p>Length.</p>	<p>Weight.</p>	<p>Claw.</p>	<p>Toe.</p>	<p>Mid toe.</p>	<p>Claw of hallux.</p>
2517	♂ ad 75	Fort Verde, Arizona	May 1 1884	216	285	87	96	18	21	24	22	6	
2905	♂ ad 26	Fort Verde, Arizona	May 23 1884	217	280	90	101	20.5	21	23	22	6.3	
2956	♀ ad 26	Fort Verde, Arizona	May 23 1884	197	259	78	89	17	19	23	21.5	6	This and the above were a mated pair; broods contained an egg nearly ready for extrusion.
2912	♂ ad 27	Fort Verde, Arizona	May 23 1884	216	289	99	102	21.5	22	23	22	7	
3034	♂ ad 117	Fort Verde, Arizona	June 18 1884	209	280	88	95	20.5	21	22	21	6	
3074	♂ ad 128	Fort Verde, Arizona	July 2 1884	217	285	91	102	21.5	23	23	22	7	See journal, for colors of parts.
3133	♂ ad 143	Fort Verde, Arizona	July 18 1884	211	279	88	95	21	23	23	21.5	6.5	See journal for colors of parts.
3144	♂ ad 147	Fort Verde, Arizona	July 21 1884	210	280	89	97	19.5	22.5	23	22	6.5	See journal for colors of parts.
3295	♀ ad 194	Fort Verde, Arizona	Sep. 8 1884	206	270	85	92	20	22	24	21	6.5	
3296	♂ juv. 194	Fort Verde, Arizona	Sep. 8 1884	203	270								
3993	♂ juv. 10	Pillito Station, Arizona	May 7 1885	200	270	86	88	21	23	21	21	6	
4141	♀ juv. 424	Fort Verde, Arizona	Aug. 24 1885	185	255	83	79	15	19	21.5	20.5	6	
4737	♂ ad. 195	Fort Verde, Arizona	Apr. 18 1886	217	284	90	102	20.3	23	22.5	22.5	6.5	15
4814	♂ ad 208	Fort Verde, Arizona	Apr. 29 1886	206	281	92	96	19.5	21.5	22	21	6	
4815	♂ ad 208	Fort Verde, Arizona	Apr. 29 1886	204	275	88	91	21	22	23	22	6	
4818	♂ juv. 208	Fort Verde, Arizona	May 1 1886	199	272	88	88	19	22	22	22	6.5	
4970	♀ ad 43	Fort Verde, Arizona	Aug 26 1886										molting.
5211	♂ ad 192	Fort Verde, Arizona	Apr. 5 1887	211	283	92	94	20	22	21	23	6.7	
5215	♂ ad 193	Fort Verde, Arizona	Apr. 8 1887	211	282	90	95	20	22	22	21	6	
5291	♂ ad 226	Fort Verde, Arizona	May 3 1887	215	290	93	100	20	22	23	22	5.5	
5367	♂ ad 246	Fort Verde, Arizona	May 13 1887	212	284	93	96	20	23.5	22	22	6	14.5
5643	♂ ad 358	Fort Verde, Arizona	Aug 25 1887	212	282	90	97	20	22	22	21	5.8	14 31 16.5 7

RETURN—Continued.

ADDITIONAL ARTICLES.

Petrochelidon (Swain.) Bp. Bullock's Oriole.

No.	Sex and Age	Page in Journal	Locality	Date	Length	Wing	Tail	Culmen	Gape	Stretch	Middle toe and claw	Tarsus	Remarks.	
2818	♀ ad.	75	Fort Verde, Arizona	May 1 1884	197	315	98	86	18	20	24.5	22.5	6.5	Bridges, dark hazel; bill, with maxilla blue-black;
2845	♂ ad.	78	Fort Verde, Arizona	May 5 1884	198	312	100	83	18	20.5	27.5	22.5	7	mandible, blue. Irides, hazel; feet, dusky.
2865	♂ ad.	81	Fort Mojave, Arizona	May 13 1884	200	313	103	88	18	20	24	22	7	Bridges, hazel; bill, with maxilla black, mandible,
2894	♂ ad.	35	Fort Verde, Arizona	May 22 1884	204	313	98	83	20	21	24	24	7	blue, shading into dusky at tip. Legs and feet, dark
2895	♀ ad.	35	Fort Verde, Arizona	May 22 1884	210	315	100	87	19.5	21	25	24	7	bluish-gray; claws, dusky brownish.
2908	♂ ad.	26	Fort Verde, Arizona	May 23 1884	209	317	100	85	20	21	24	23	6.5	For color of parts, see description in journal.
2909	♂ ad.	26	Fort Verde, Arizona	May 23 1884	210	320	102	86	21	22	24.5	24	7	
2910	♂ ad.	26	Fort Verde, Arizona	May 23 1884	205	318	100	85	19	21	24	23	7	
2911	♂ ad.	26	Fort Verde, Arizona	May 23 1884	205	316	100	87	20	20.5	24	24	7	
2942	♂ ad.	41	Fort Verde, Arizona	May 28 1884	205	320	103	87	18.5	20	25	24	7	
2963	♀ ad.	50	Fort Verde, Arizona	June 3 1884	198	310	95	79	17.5	20	24	22	6.5	
3022	♂ ad.	112	Fort Verde, Arizona	June 16 1884	196	322	104	76	20	21.5	23	22.5	6	Black markings of tail rather obsolete.
3073	♂ juv.	127	Fort Verde, Arizona	July 1 1884	200	315	93	85	17	18.5	25.5	23	6.5	See 1st plumage, still attended by its parents, and
4087	♂ juv.	347	Fort Verde, Arizona	June 6 1885	200	317	100	88	19.5	20.5	25	23	6	accompanied by its fellow nestlings.
4807	♀ ad.	208	Fort Verde, Arizona	Apr. 29 1886	210	313	100	88	18	20	24	23	7	See journal for colors of parts.
4811	♂ ad.	208	Fort Verde, Arizona	Apr. 29 1886	204	317	102	85	19	21	24.5	23	7	
4812	♂ ad.	208	Fort Verde, Arizona	Apr. 29 1886	204	315	102	84	19.4	21	23	23	8	
4813	♂ ad.	208	Fort Verde, Arizona	Apr. 29 1886	198	324	103	84	19	20.5	26	23	6.5	
4833	♂ ad.	219	Fort Verde, Arizona	May 13 1886	205	325	103	86	20	23	25.5	25	7.5	
4869	♂ ad.	224	Fort Verde, Arizona	May 26 1886	208	315	102	87	18	19.5	23	22	6.7	
4870	♀ ad.	224	Fort Verde, Arizona	May 26 1886	204	303	95	81	17	19	22	23	6.8	

RETURN—Continued.

ADDITIONAL ARTICLES.

Petrochelidon Bonap. Scott's Oriole.

No.	Sex and Age	Locality	Length	Wing	Tail	Culmen	Gape	Tarsus	Middle toe and claw	Weight	Notes
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2816	♂ ad 75	Fort Verde, Arizona May 1 1884	217	332	102	74	21.5	24	25	25	7.5	
2857	♀ ad 80	Minke Barracks, Arizona May 10 1884	214	310	98	78	23	23	23.5	24	7	
2860	♂ ad 23	Wadsworth, Oak Creek, Arizona May 14 1884	223	324	108	74	22	23	27	25	8	
3084	♂ ad 131	Hogson Mts. 12 m. E. of Ft. Verde, A.T. July 10 1884	222	328	101	77	27	25.5	25	25	7	For colors of back, see female.
3085	♂ juv 131	Hogson Mts. 12 m. E. of Ft. Verde, A.T. July 10 1884	217	320	101	71	21.5	23	24	24	8	For colors of back, see female. 1st plumage.
3086	♂ juv 131	Hogson Mts. 12 m. E. of Ft. Verde, A.T. July 10 1884	210	317	97	86	21	22	25.5	25	7	Similar to the above, being to some extent, 1st plumage.
3896	♂ ad 4	Near Fort Lowell, Arizona Apr. 7 1885	222	340	108	95	23	25	24	26	7 16	
3915	♂ ad 6	San Simon Valley, Arizona Apr. 14 1885	215	333	111	96	24	24	25	26	8 16	
3962	♀ ad 8	Chiricahua Mts. ^{near Boyce Station} Arizona Apr. 30 1885	208	300	93	83	22	22	25	25	7.5	
3984	♀ ad 10	Near Fort Lowell, Arizona May 5 1885	204	314	97	86	21	22	23	24	7	
4894	♀ ad 4	Oak Creek, Arizona June 10 1886	212	310	98	88	25	26	24	25	7	

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and Age	Page in Journal	Locality	Date	Length	Alar expanse	Wing	Tail	Culmen	Gape	Tarsus	Middle toe and claw	Claw alone	Remarks.
			<i>Cyanocitta stelleri macrolopha</i> (Baird) Ridgw.											Long-crested Jay.
2767	♀ ad	69	Whipple Rancho, Arizona	April 21 1884	303	450	137	130	28	34	45	32	9	Bill, feet and claws, black.
2750	♂ ad	70	Aguia Fria, Arizona	April 25 1884	345	775	146	147	30	37	45	32	7	
2751	♂ ad	71	Aguia Fria, Arizona	April 25 1884	326	780	155	148	31	35.7	46	33	10	
3719	♀ ad	313	Cox Creek, Arizona	Jan. 16 1885	307	770	141	138	28	32	43	32	8	Bill, measured from nostril, 19.5.
3725	♀ ad	314	Indian Garden, Cox Creek, A.T.	Jan. 17 1885	312	765	158	144	29	32	47	32	9	See Journal for description. Bill, measured from nostril, 20.
*3381	♀ ad		Near Lake Tanks, Arizona	Oct. 6 1884	302	458	143	133	28	32.5	43	32	7.5	
3382	♂ ad		Near Lake Tanks, Arizona	Oct. 6 1884	310	775	143	143	28	33	45	35	11	

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and Age.	Page in Journal	<i>Ceryle alcyon</i> (Linn.) Boic.		Belted Kingfisher.										Remarks
			Locality—	Date	Length	Wing	Tail	Culmen	Gape	Height of bill at front of feathers	Tarsus	Middle toe and claw	Cleat above	Wave part of tibia	
3280	♂ ad	188	Fort Verde, Arizona	Sept. 3 1884	345	575	163	103	61	75	13	23	9		Sides hazel.
3318	♀ ad	203	Fort Verde, Arizona	Sept. 14 1884	362	570	162	105	58	70.5	12	23	9	9	
3336	♂ ad	209	Fort Verde, Arizona	Sept. 21 1884	337	568	156	102	58	71	12	24	9	12	For description see Journal.
3343	♀ ad	210	Fort Verde, Arizona	Sept. 23 1884	347	573	175	107	59	74	14	25	9	11	
3344		210	Fort Verde, Arizona	Sept. 23 1884	337	560	162	103	60	75	12	25	10	9	
3345	♂	210	Fort Verde, Arizona	Sept. 23 1884	340	565	162	103	59	72	11.5	23.5	9	10	
3346		210	Fort Verde, Arizona	Sept. 23 1884	336	579	166	102	56	72	13	25	9	11	
3609	♂	242	Fort Verde, Arizona	Dec. 4 1884	321	550	160	97	50	67	12	24	8.5	9	Length of bill from nostril, 4.5.
3778	♂ ad	328	Fort Verde, Arizona	Feb. 21 1885	333	562	164	98	58	71	15	11.5	23	9	9.5 Breadth of bill at gape, 21.

RETURN—Continued.

ADDITIONAL ARTICLES.

No.		Sex and Age		Page in Journal	Pyrocephalus rubinus mexicanus (Sch.) Coues.		Vermilion Flycatcher.										Remarks
					Locality	Date	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	Tarsus	Middle toe and claw	Below about	
2700	♂ ad	60	Fort Verde	Arizona	April 7 1884	156	268	82	65	13.7	9.2	18	16.2	14	4.7		Irides hazel. Bill, legs, feet and claws black; some
2701	♀ ad	60	Fort Verde	Arizona	April 7 1884	152	263	79.5	63.5	14	9.8	19.5	16.2	15.5	5		immittible shining wings of brown in the middle at base. Mated with no. 2700. Irides hazel. Bill, legs, feet and claws, black.
2702	♂ ad	60	Fort Verde	Arizona	April 7 1884	154	261	80	65	15	10	19.2	16.5	15	5		Irides, hazel. Bill, legs, feet and claws, black.
2703	♀ ad	60	Fort Verde	Arizona	April 7 1884	152	260	80	63	14	9	18.3	17	15	5		Mated with no. 2702. Irides hazel. Bill, legs, feet and claws, black.
2730	♂ ad	64	Fort Verde	Arizona	April 12 1884	150	255	79	65		9	18	16	14	5		
2731	♂ ad	64	Fort Verde	Arizona	April 12 1884	153	260	79	63	14	9.5	19	16	15	5		
2806	♂ ad	73	Fort Verde	Arizona	April 29 1884	151	267										
3016	♀ ad	111	Fort Verde	Arizona	June 16 1884	152	255	82	65	14	9.6	18.5	16.5	14	4		Irides, hazel. Bill, legs, feet and claws, brownish black. Parent of Set no. 2-1. See Journal.
3153	♂ ad	148	Fort Verde	Arizona	July 23 1884	148	252	71	61	14	9.5	18	16	15	5.5		
3164	♀ ad	155	Fort Verde	Arizona	July 27 1884	151	256	79	62	14.5	10	18	17	15.5	5		Irides, hazel. Bill, tarsi and feet, brownish black; claws, black.
3165	♀ ad	150	Fort Verde	Arizona	July 27 1884	150	260	79	64	14.5	10	18	16	15	5.5		Colors of parts like no. 3164.
3193	♂ ad	164	Fort Verde	Arizona	Aug. 13 1884	155	263	80	63	14	9	18	17	16	6		See Journal for colors of parts.
3194	♂ juv.	165	Fort Verde	Arizona	Aug. 13 1884	155	261	79	62	14	9	18	17	15	5		See Journal for colors of parts.
3281	♂ juv.	189	Fort Verde	Arizona	Sept. 4 1884	150	255										For description see Journal.
3455	♂ ad.		Salt River, Arizona		Oct. 21 1884	153	262	82	64	15	9.5	19	17.5	15	5.3		

✓	Copy	Pathological Ziegler Eye Wells on
✓	Copy	Gynaecology Gunnitt Microscope and its revelations Handbook Electro- physiologists like Smith's Operative Surgery
✓	Copy	Children's treatment of women
✓	No	view, test, test -
✓	Copy	Hereditary Syphilis, D and Sturge
✓	Copy	Parks Hypnotism Vol 1-2
✓	Copy	Herbaceous Diseases and Mycology of the Herbs
✓	Copy	Circulation No. 3, 5, 7, 9, 1883.
✓	Copy	Hydriatic Legal Medicine Vol III
✓	Copy	Milton's treatment of Gonorrhoea
✓	No. 1 Set copy	1883

Asyndesmus torquatus (Wilson) Coues. Lewis's Woodpecker

No.	Sex and Age.	Locality	Date	Remarks.	Length.	Alar expanse.	Wing.	Tail.	Culmen.	Gape.	Tarsus.	Middle toe (incl. claw).	Its claw.	Its claw alone.
3364.	♂ ad.	Mud Tanks, Arizona Territory.	Oct. 3, 1884	Skinned for Capt. Roberts.	—	—	—	—	—	—	—	—	—	—
3369.	♀ ad.	Mud Tanks, Arizona Territory.	Oct. 3, 1884	Bill, plumbeous; black, grayish at base of mandible.	280	535	172	110	30.5	36	25	30	11.	
3370.	♀ ad.	Between Mud Tanks & Belvis Butte, A. T.	Oct. 3, 1884	Tarsi and feet plumbeous-black; slightly brownish at base of claws.	282	520	167	120	27	33	27	30	11.	
3390.	♂ juv.	Between Canyon Creek and Cibola Cr., A. T.	Oct. 8, 1884	do do do do do do	275	535	167	100	27	35	25	32	11.	
3391.	♂ ad.	Near Cibola Creek, Arizona Territory.	Oct. 8, 1884	do do do do do do	285	550	172	109	30	35	29	30	11.	
3395.	♂ ad.	Between Cibola and Lariño Creeks, A. T.	Oct. 9, 1884	do do do do do do	287	527	168	104	29.5	34	28	30	11.	
3396.	♀ ad.	Near Forestdale, Arizona Territory.	Oct. 10, 1884	do do do do do do	272	520	160	112	27	33	23	27	10.	
3397.	♂ ad.	Near Forestdale, Arizona Territory.	Oct. 10, 1884	do do do do do do	280	540	175	106	29	35	26	30	11.	
3400.	♂ ad.	17 miles north of Ft. Chace, Arizona.	Oct. 11, 1884	do do do do do do	—	—	—	—	—	—	—	—	—	
3401.	♂ ad.	14 miles north of Ft. Chace, Arizona.	Oct. 11, 1884	do do do do do do	280	545	176	108	30	36	27	30	11.	
3443.	♂ ad.	The Wheelfield, near Globe City, A. T.	Oct. 20, 1884	do do do do do do	286	555	173	114	30	35.5	26	31	11.	
3444.	♂ juv.	The Wheelfield north of Globe City, A. T.	Oct. 20, 1884	do do do do do do	272	525	160	102	29	33.5	26	30	11.	
3457.	♂ juv.	Lonto Creek, Arizona Territory.	Oct. 22, 1884	do do do do do do	280	555	168	106	27	35	25	29	10.5.	
3469.	♂ ad.	Mormon Settlement near Fossil Cr., A. T.	Oct. 25, 1884	do do do do do do	292	557	169	106	30.5	37	28	31	10.5.	
3470.	♂ ad.	Mormon Settlement near Fossil Creek, A. T.	Oct. 25, 1884	do do do do do do	288	555	162	107	32	36	28	30	10.	

RETURN—Continued.

Amphisp. cedrorum

ADDITIONAL ARTICLES.

Cedar Waxwing.

Number	Sex and age	Date	Locality	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	Tibia	Tarsus	Middle toe and claw	Middle claw	Hint toe and claw	Hint claw	Remarks
5692	♀ ad.	Nov. 1, 1887	Ft. Verde, Arizona	181	296	97	64	13	7	20	28	17.5	20	6.2	13	6	Irides, reddish-hazel. Bill, tarsi, feet and claws, plumbeous-black.
5693	♀ ad.	Nov. 1, 1887	" "	180	292	96	60	11	6.5	19	28	18	19	5.5	12	6	
5694	♂ ad.	Nov. 1, 1887	" "	185	296	100	65	12	6.6	18	30	16	19	6.3	13	6	
5695	♀ ad.	Nov. 1, 1887	" "	180	291	95	59	11	6	19	27	17	19	6	13	6	
5696	♂ juv.	Nov. 1, 1887	" "	185	291	94	61	12.5	7	21	30	18	20	5.5	13	6	
5697	♀ juv.	Nov. 1, 1887	" "	187	301	96	58			30	18	20	6	13.5	6.1		
5698	♀ juv.	Nov. 1, 1887	" "	183	295	97	65	12	6.5	19	30	17	20	6	14.5	6.2	

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and age Page in Journal	Locality	Date	Length	Max. expanse	Wing	Tarsus	Culmen	Gape	Tip of bill to center of pupil	Tip of bill to occiput	Base of cul- men to occiput	Tibia	Tarsus	Middle toe with its claw	Middle claw	Claw of hallux	Hallux with claw
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RETURN—Continued.

ADDITIONAL ARTICLES.

* toe alone, 13.

† toe alone, 13.5.

Specimens of Rhynchophanes maccownii (Lawr).

Sex and Age	Date	Locality	Mid. of bill at base.	Height of bill at base.	Nostril.	Length	Alar Expanse	Wing	Tail	Culmen	Gape	Tip of bill to clitoris of pupil	Tip of bill to end of culmen	Base of culmen to web of foot.	Tibia	Tarsus	Middle toe with its claw.	Middle claw	Hallux and its claw	Claw of hallux	Page in Journal		
♂ ad.	Mar. 30 1885	Maricopa, Arizona.				10	155	290	92	60	13	14.5					21	18	5.5	9	2		
♀ ad.	Nov. 4 1886	Fort Verde, Arizona	8.5	8.5	9	157	291	93	60	12	14						20	18.5	5.5	17	8	90	
♂ ad.	Jan. 18 1886	Fort Verde, Arizona				155	297	95	62	11.5	13						21	17	5	15	8	105	
♂ ad.	Jan. 18 1886	Fort Verde, Arizona				162	298	96	64	12	14	17.5	30				21	19	5.5	16	8	105	
♂ ad.	Jan. 18 1886	Fort Verde, Arizona				153	286	91	57	12	13						19.5	17.5	5	16.5	9.5	105	
♀ ad.	Jan. 22 1886	Fort Verde, Arizona	5	8		148	275	96	55	10	12.5						18	16	4			112	
♂ ad.	Nov. 29 1887	Agua Fria, P.O. Arizona				153	273	90	56	11	12						28	14	18	5.3	18	10	299
♀ ad.	Nov. 29 1887	Agua Fria, P.O. Arizona				155	276	92	58	12	13						28	14	18	5	19	11	299
♀ ad.	Nov. 29 1887	Agua Fria, P.O. Arizona				149	275	90	57	11.7	13						26	19	17	5	14.5	7	299
♀ ad.	Nov. 29 1887	Agua Fria, P.O. Arizona				155	271	88	55	11.3	13						27	18.5	17	4.4	15	7	299
♂ ad.	Dec. 22 1887	Fort Verde, Arizona.				154	284	92	59	13	15	19	32	32	28	20	17	4	16	7.5			
♂ ad.	Dec. 22 1887	"				156	300	98	63	11.7	13.7	18	31	22	28	20	18	4.5	15	7			
♂ ad.	Dec. 22 1887	"				156	289	95	62	12	13.5						28	20	17.5	5	17.5	9	
♂ ad.	Dec. 22 1887	"				161	298	94	61	13	14.4	20	33	33	29	20	19	5.5	16	7.5			
♂ ad.	Dec. 22 1887	"				162	297	98	64	12.7	14						27.5	20	18	5.6	17	8.8	
♂ ad.	Dec. 22 1887	"				160	292	96	63	12.5	14.2						27	18	17	4.8	13.5	6.1	
♂ ad.	Dec. 22 1887	"				155	289	93	60	12	13.4						27	20	17	5	16	8	
♂ ad.	Dec. 22 1887	"				157	295	95	62	12.2	13.8	19	31.5	22	29	20.7	18	5	17	8.5			
♂ ad.	Dec. 22 1887	"				157	290	93	58	12	13.8						28	19.2	18	5.2	16	7.7	
♂ ad.	Dec. 22 1887	"				156	289	96	63	12	13.3						27.5	19.5	18	5.2	16	8.2	
♂ ad.	Dec. 22 1887	"				159	298	97	61	12	14						28	20.7	18.7	4.9	17	8.6	
♂ ad.	Dec. 22 1887	"				169	295	96	63	12	13.7						28	20	17.7	5.5	17	8.8	
♂ ad.	Dec. 22 1887	"				148	270	89	55	11.5	12.2						18	16.6	4.5	14	7		
♂ ad.	Dec. 22 1887	"				148	267	87	53	11.6	13						28	19	17	4.3	16	8	
♂ ad.	Dec. 22 1887	"				147	275	88	53	11.9	14	18	31	21	28	19.8	17.2	5	15.5	7.2			
♂ ad.	Dec. 22 1887	"				148	272	87	54	12.2	14	18.5	31.5	21.5	26	19	17	5.8	15	7			
♂ ad.	Dec. 22 1887	"				154	283	94	60	11.7	12.7	18	31	22	28	21	17	5	15	7.5			
♂ ad.	Dec. 22 1887	"				152	279	91	59	11.5	13	18	31	22	28	20	18	5	17	8.8			
♂ ad.	Dec. 22 1887	"				149	273	87	55	12	13						27.5	19	16.5	5	14	7	
♂ ad.	Dec. 22 1887	"				154	292	94	57	11.5	12.8						30	21	18	5	17	8	
♂ ad.	Dec. 22 1887	"				151	274	89	57	12	13.8						27	19	17	5	15.5	7.9	
♂ ad.	Dec. 22 1887	"				153	272	88	56	11.9	13						26	19	16.2	4	14	6.1	

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ADDITIONAL ARTICLES.

No.	Sex and Age	Page in Journal	Locality	Species	Date	Length	Alar expanse	Wing	Tail	Culmen	Gape	Tarsus	Middle toe and claw	Claw alone	Tibia	Hallux with its claw	Remarks.
2680	♀ ad.	58	Fort Verde, Arizona	Circus scalaris	Mar. 27 1884	180	333	99	68	21	23	17	21	8			
2742	♂ ad.	65	Fort Verde, Arizona	Texas Sapsucker	April 10 1884	159	327	101	68	23	25	16.5	20	7.7			Irides, dark red.
2804	♀ ad.	73	Fort Verde, Arizona		April 29 1884	180	320	99	71	21.4	23.5	17.7	19	8			
2829	♀ ad.	76	Fort Verde, Arizona		May 2 1884	187	334	104	70	20.5	22.5	19	20	8			
2893	♂ ad.	25	Fort Verde, Arizona		May 22 1884	192	335	103	65	24.5	26.5	18.5	22	8.5			
3059	♂ ad.	121	Fort Verde, Arizona		June 21 1884	192	340	103	71	23.5	26	18.5	21	8.5			For description see Journal.
3077	♂ juv.	129	Fort Verde, Arizona		July 7 1884	190	335	102	70	22	24	19	21	8.5			Young, with first plumage well developed.
3132	♀ juv.	137	Fort Verde, Arizona		July 14 1884	179	313	94	68	19	21.5	19	20	8			In first plumage. Irides, hazel.
3135	♂ juv.	140	Fort Verde, Arizona		July 19 1884	186	320	95	68	20.5	22	19.5	20	7.5			For description see Journal. In first plumage.
3340	♀ ad.	210	Fort Verde, Arizona		Sept. 23 1884	182	332	104	72	20.5	23	18.5	20	8.5			Irides, red. Bill plumbeous-black; tarsi and feet, plumbeous; claws, black.
3605	♀ ad.	240	Fort Verde, Arizona		Dec. 3 1884	180	340	105	72	20	23	18.5	20	8			
3623	♀ ad.	258	Fort Verde, Arizona		Dec. 10 1884	187	325	99	71	21.5	25	19	21	8			Irides, dark red. Bill, plumbeous, darkest above, tarsi and feet, plumbeous, claws dusky.
3740	♂ ad.	320	Fort Verde, Arizona		Jan. 29 1885	198	342	106	71	24	26	19	21	9			
3761	♂ ad.	327	Fort Verde, Arizona		Feb. 19 1885	192	343	108	73	24	28	19	20	8			
3772	♂ ad.	327	Fort Verde, Arizona		Feb. 19 1885	191	336	105	73	25	28	20	22	9			
3773	♀ ad.	327	Fort Verde, Arizona		Feb. 19 1885	185	330	105	70	21	23	19	20	9			Irides, red. Bill, dusky, plumbeous. Tarsi and feet greenish-plumbeous; claws dusky.
3788	♀ ad.	330	Fort Verde, Arizona		Feb. 25 1885	186	333	105	72	21.5	22.5	18	20	8			
3789	♂ ad.	330	Fort Verde, Arizona		Feb. 25 1885	191	339	107	71	23.5	26	20	21	8.5			Colors same as above.
3790	♂ ad.	330	Fort Verde, Arizona		Feb. 25 1885	191	344	108	68	25	27	20.5	20.5	8.5			Colors same as above.
3791	♂ ad.	330	Fort Verde, Arizona		Feb. 25 1885	191	339	107	72	24	26	19	20.5	8.5			Colors same as above.
3792	♂ ad.	330	Fort Verde, Arizona		Feb. 25 1885	188	343	107	69	24.5	26	20	20	8.5			Colors same as above.
4248	♂ ad.	39	Fort Verde, Arizona		Oct. 16 1885	197	347	112	75	24	26	18	20	9			
4294	♂ ad.	54	Pale Lake, Upper Verde Valley, Arizona		Nov. 18 1885	192	345	109	71	23	25.5	19	20	8			
5082	♀ ad.	119	Fort Verde, Arizona		Dec. 30 1886	188	345	107	75	20	23	18	19	7.5			
5894	♂ ad.	308	Fort Verde, Arizona		Dec. 26 1887	191	338	106	71	24	26	21	30	8	29	11	5.7
5895	♂ ad.	308	Fort Verde, Arizona		Dec. 26 1887	199	346	109	75	24	26	20	19	8	28	12	6

RETURN—Continued.

ADDITIONAL ARTICLES.

Chondestes nitens (Sw.) Sw. Black-capped Flycatcher.

No.	Sex and age	Page in journal	Locality	Date	Length	Alar expanse	Wing	Tail	Culmen	Nostril	Gape	tarsus	Middle toe, incl. claw	Inner toe	Remarks
3099	♂ ad 125		Fort Verde, Arizona	June 26 1884	204	285	90	55	12	8	18	17	18	4	
3090	♂ ad 135		Fort Verde, Arizona	July 11 1884	206	285									
3117	♀ ad 138		Fort Verde, Arizona	July 15 1884	203	283	90	98	11	7.7	17	18	18	5.5	Parent of No. 3108.
3155	♂ juv 138		Fort Verde, Arizona	July 15 1884	175	277	85	75	10	7	17	18	18	5	In first plumage. See Journal for description.
3137	♀ ad 432		Coyote Springs, 20 m. N. of San Carlos, Ariz.	Oct. 19 1884	250	292	90	99	11.5	8	16	20	19	6	Brides red. Plumage overlaid with glaucous.
3457	♂ ad 432		Forto Verde, Arizona	Oct. 22 1884	200	295	91	99	12	7	17	20	19	5.5	Plumage with a glaucous cast.
4078	♂ ad 346		Fort Verde, Arizona	June 4 1885	205	302	97	102	12	8.5	16	19	17	6	
4861	♂ ad 223		Fort Verde, Arizona	May 21 1886	206	300	97	100	11.5	8	16	18	17.5	5.5	
4862	♂ ad 223		Fort Verde, Arizona	May 21 1886	206	300	94	99	11.6	7	16.5	18.5	18	5	
4886	♀ ad 3		Fort Verde, Arizona	June 5 1886	206	303	95	97	11.5	8	18	19.5	20	7	

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and Age	Page in Journal	Locality	Date	Length	Wing	Tail	Culmen	Nostril	Gape	Tarsus	Middle toe and claw	Claw alone	Remarks	
2861	♂ ad.	81	Fort Mojave, Colorado River, A.T.	May 12 1884	208	302	92	102	12.3	8.5	17	19.5	20.3	6	Bird, red. Bill, legs, feet and claws, black.
2869	♂ juv.	82	Fort Mojave, Colorado River, A.T.	May 13 1884	195	297								Young of the year, attended by its parents.	
2941	♂ ad.	41	Fort Verde, Arizona	May 28 1884	204	300	95	102	12	7.5	16	17	17	5	Bird, bright red. Bill, legs, feet and claws under black, showing a decided tinge of brown on a strong & bright.
2961	♂ ad.	49	Fort Verde, Arizona	June 3 1884	216	302	95	109	13	8	18	18	18.7	5	Bird, red. Bill, legs and feet black, showing (light) a shade of brown on a strong light.
2974	♀ ad.	52	Fort Verde, Arizona	June 5 1884	203	296	90	94	14.5	7.5	17	20	20	6	Bird, light brownish red. Bill, legs and feet, black, with brownish tinge.
2975	♂ ad.	52	Fort Verde, Arizona	June 5 1884	210	296	90	101	11.5	8.2	17	18	18	5.5	Bird, bright red. Bill, legs, feet and claws black.
2976	♂ ad.	53	Fort Verde, Arizona	June 5 1884	201	290	91	97	12	8	17.3	18	18	5.5	Colors as above (2975).
2977	♂ ad.	52	Fort Verde, Arizona	June 5 1884	207	300	94	104	12	8	18	18	19	6	Colors of parts, same as no. 2975.
2978	♂ ad.	52	Fort Verde, Arizona	June 5 1884	201	283	87	93	12	8	17.5	18	18	5	Colors of parts, same as no. 2975.
2995	♀ ad.	103	Fort Verde, Arizona	June 11 1884	209	295	92	100	14	8.2	18	19	19	5	
2996	♀ ad.	103	Fort Verde, Arizona	June 11 1884	202	292	90	93	12.5	8.5	17	18	18	5	
2997	♂ ad.	103	Fort Verde, Arizona	June 11 1884	205	295	92	99	11.5	8	17	17.5	18.5	5	
2998	♂ ad.	103	Fort Verde, Arizona	June 11 1884	200	297	90	97	12	7.5	17	17	17	5.5	
3001	♂ ad.	103	Fort Verde, Arizona	June 11 1884	200	286	85	93	11	7	16	18	19	5	
3002	♂ ad.	104	Fort Verde, Arizona	June 11 1884	209	295	93	102	13	8	18	18	19	6	
3011	♂ ad.	107	Fort Verde, Arizona	June 13 1884	210	300	93	102	13	8.5	18	18	20	6	Esophagus filled with "haw" service.
3017	♀ ad.	111	Fort Verde, Arizona	June 16 1884	194	287	88	89	11.5	8	18	19	19	6	Parent of Set no. 3035.
3017	♀ ad.	111	Fort Verde, Arizona	June 16 1884	209	297	92	100	13	8	18	18	19	5.5	For description, see journal.
3035	♀ ad.	117	Fort Verde, Arizona	June 18 1884	209	298	93	101	12	8	16	19	18	5	Parents of nest and Set no. 3036.
3036	♀ ad.	117	Fort Verde, Arizona	June 18 1884	192	274	83	88	12	8.5	17	18	18.5	5	
3039	♂ ad.	117	Fort Verde, Arizona	June 19 1884	198	291	89	100	13	8	17	18	19	5	Parent of Set no. 3040.
3040	♀ ad.	117	Fort Verde, Arizona	June 19 1884	202	286	87	96	12	8	18	17.5	19	6	Parent of Set no. 3041.
3041	♂ ad.	117	Fort Verde, Arizona	June 19 1884	194	280	90	97	10	6.5	16	17	17	5.5	Parent of Set no. 3042.
3042	♀ ad.	117	Fort Verde, Arizona	June 19 1884	206	298	92	101	12	9	18	19	19	5.5	Birds, light red. Bill, legs, feet and claws black, with slight brown tinge. Parent Set 3043.
3043	♂ ad.	118	Fort Verde, Arizona	June 19 1884	204	288	89	100	13	8.5	18	18	18	5	Parent of Set no. 3044.
3044	♂ ad.	118	Fort Verde, Arizona	June 19 1884	215	302	96	105	12	8	17.5	18.5	18.5	5	Parent of Set no. 3045.
3045	♀ juv.	118	Fort Verde, Arizona	June 19 1884	189	280	85	86	12	7.5	17	18	18.5	5.5	Young of the year. See description in journal.
3052	♂ ad.	121	Fort Verde, Arizona	June 20 1884	208	292	92	100	12	8	18	18	19	6	Parent of Set no. 3053.
3053	♀ ad.	121	Fort Verde, Arizona	June 20 1884	207	297	94	100	12	7.5	17.5	17.6	18.5	5	
3057	♀ ad.	121	Fort Verde, Arizona	June 21 1884	194	281	90	93	11.5	8	17	18	18	5	Parent of Set no. 3058.
3058	♀ ad.	121	Fort Verde, Arizona	June 31 1884	205	293	90	98	12	8	17.5	18.5	19	5.5	Parent of Set no. 3059.
3060	♀ juv.	31	Fort Verde, Arizona	June 26 1884	207	288	91	94	12	8	17.5	18	18	5	Bird retains traces of immature plumage, notably a brownish tinge on the back. Bill, legs and feet, black.

RETURN—Continued.

ADDITIONAL ARTICLES.

<u>Olor columbianus (Ord).</u> Whistling Swan.																																Date.	
No.	Sex and age.	Page in Journal.	Length.	Alar expanse.	Wing.	Tail.	Culmen from frontal feathers.	Bill, measured from nostril.	Gape.	Height of bill at base.	Width of bill at base.	Width of bill opposite anterior border of nostril.	From tip of bill to centre of pupil.	From tip of bill to occiput.	From base of culmen to occiput.	Diameter of eye.	Length of neck, measured from throat to head.	From head of tibia to end of middle claw.	Tibia.	Base portion of tibia.	Length of tarsus.	Width of tarsus and middle toe with its claw.	Middle claw.	Hallux with its claw.	Claw of hallux.	Inner claw.	Outer claw.	Weight, lbs, avoird.					
* 5971	♀ juv.	317	1420	2400	605	185	90	48	103	48	38	35	136	190	95	12	600	500	2 1/5	32	125	25	163	19	36	10	20	15	15	15	Jan. 7, 1888.		
+ 5472	♀ juv.	317	1395	2360	610	190	92	50	105	49	40	36	140	195	97	12	595	485	2 1/2	37	117	26	158	18	33	9	18	14	15	15	Jan. 7, 1888.		

* Tail-feathers 22.

+ Tail-feathers 20.

RETURN—Continued.

Branta canadensis minima **ADDITIONAL ARTICLES.**
Ridgw.

[illegible]

Chenopodium (Baird) ⁸/₁. Rose's Snow Goose.

56779 ad. Oct. 24, 1887 ^{Under River at mouth} of Beaver Creek, Ariz. 5471212353112.3947204024[†]25195949848235120156753—7.218.5⁵2¹⁶

* Height of bill, measured opposite base of nostrils, 20.

f " " " " " " " " " 19.

♂ Length of nostril, 10. Distance between nostrils, 11. Length to end of antitrochlear claws 2, 87 C. Width of bill at anterior border of nostrils, 19.

RETURN—Continued.

RETURN—Continued.

† middle toe alone 53.

† middle toe alone 53.

No.	Sex and Age.	Date.	Locality.	Length	Alar expanse.	Wing.	Tail.	Culmen from frontal feathers.	Culmen from extreme base.	Bill from nostril.	Gape.	Height of bill at front base.	Breadth of bill at base.	Greatest width of bill.	Tip of bill to middle of pupil.	Tip of bill to occiput.	From base of culmen to middle of pupil.	Diameter of eye.	From head of bill to end of middle claw.	Tibia	Wear portion of tibia	Tarsus	Middle toe with claw	Middle claw	Middle toe with claw.	Claw of hallux	Weight	Measure		
6033	♂ ad.	Feb. 3, 1888	Fort Verde, Arizona	627	1005	303	112	58	69	47	70	26	23	25	92	129	65	9.2	208	100	15	49	66	85	21	6.2	2	15		
3698	♂ ad.	Jan. 11, 1885	Fort Verde, Arizona	552	915	265	112	54	69	47	70	26	23	25	92	129	65	9.2	208	100	15	49	66	85	21	6.2	2	15		
3698	♂ ad.	Jan. 11, 1885	Fort Verde, Ariz.	645	1010	294	112	61	70	46	71	23	24	24							14	48	72	12						
4317	♂ ad.	Dec. 6, 1885	Stoneman's Lake, Mogollon Mts., Arizona	610	960	290	108	58	67	45	69	24	22		92	123					15	44	63	10	6	2	10			
4318	♂ ad.	Dec. 6, 1885	" " "	630	970	286	115	61	70	46	68	24	21		93	129					15	46	64	9	6	2	9			
4333	♂ ad.	Dec. 18, 1885	Fort Verde, Arizona	595	965	290	111	50	61	38	63	21	20		83	115					15	44	63	9.5	6	2	8			
4377	♂ ad.	Jan. 7, 1886	Fort Verde, Arizona	610	945	280	108	57	67	42	67	24	22		90	122					15	46	62	9						
4398	♂ ad.	Jan. 12, 1886	" " "	636	1015	305	120	58	69	45	71	25	24	25	90	127					15	48	64	10	20	7	2	13		
4481	♂ ad.	Jan. 30, 1886	" " "	590	940	275	107	55	67	43	67	26	22	24	90	124					15	46	60	8	17	5				
4488	♂ ad.	Jan. 30, 1886	" " "	620	960	280	105	56	66	42	66	24	21	22	90	120	62				17	48	65	9	19	6				
5055	♂ ad.	Nov. 13, 1886	" " "	625	1020	307	110	55	65	43	65	24	22	23	91	122	65	205			17	47	63	10	18	5				
5061	♂ ad.	Nov. 25, 1886	" " "	615	970	290	123	56	66	41	66	23	23	25			195	92			16	47	61	8	18	5.3				
5124	♂ ad.	Feb. 23, 1887	" " "	632	980	303	110	59	70	45	72	25	22	25	94	127	63	200	93		14	47	63	10	20	6				
5148	♂ ad.	Mar. 5, 1887	" " "	630	965	288	103	57	67	42	68	26	22	24	91	121	64	7.8	197	92	15	47	64	9.4	20	5	2	12		
5761	♂ ad.	Dec. 8, 1887	Peck's Lake, Upper Verde Valley, Arizona	640	1007	300	115	55	66	42	67	25	23	23	90	123	64	8	204	96	13	49	67	10	20	5.8	3	0		
5762	♂ ad.	Dec. 8, 1887	" " "	630	1000	300	110	55	66	44	69	24	23	24	91	122	63	9	209	94	13.5	49	64	11	25	6.3	2	13		
5763	♂ ad.	Dec. 8, 1887	" " "	615	962	290	112	58	67	5	43	70	26	5	24	25	91	125	63	9	203	95	15	46	63	9.7	22	6.1	2	13
5931	♂ ad.	Jan. 4, 1888	Verde River, at Fort Verde, Arizona	630	995	302	114	58	68	44	71	25	24	24	91	122	62	9.5	203	95	14	46	64	10	20	5.5	2	8		
3684	♀ ad.	Jan. 3, 1885	" " "	540	890	268	100	53	39	63		20	21			58				13	43	61	8			2	1 1/2			
3699	♀ ad.	Jan. 11, 1885	Stoneman's Lake, Mogollon Mts., Arizona	552	915	265	112	54	63	41	64	23	21	22							13	46	65	10	5	2	2	0		
4319	♀ ad.	Dec. 6, 1885	" " "	575	930	280	113	54	63	41	63	24	21	22	85	117					16	45	60	10	6					
4320	♀ ad.	Dec. 6, 1885	" " "	575	935	280	115	54	63	41	64	22	20	22	85	120					16	45	59	9	6	2	5			
4334	♀ ad.	Dec. 18, 1885	Verde River at Fort Verde, Arizona	570	940	285	110	55	64	40	67	22	21		85	118					13	44	59	9	6					
4335	♀ ad.	Dec. 18, 1885	" " "	560	920	270	97	54	62	40	63	24	20		83	116					15	44	59	8	6					
4368	♀ ad.	Jan. 5, 1886																												
4376	♀ ad.	Jan. 7, 1886																												
4381	♀ ad.	Jan. 11, 1886																												
4382	♀ ad.	Jan. 11, 1886																												
4399	♀ ad.	Jan. 14, 1886																												
4400	♀ ad.	Jan. 14, 1886																												
4489	♀ ad.	Jan. 30, 1886																												
4490	♀ ad.	Jan. 30, 1886																												
4784	♀ ad.	Apr. 27, 1886																												
Middle toe alone 55.				* Height of bill at frontal feathers instead of extreme base?															* Middle toe alone, 56.											

RETURN—Continued.

Vireo cyanocephalus, continued

ADDITIONAL ARTICLES.

No.	Sex and age.	Page in Journal.	Locality.	Date.	Length.	Wing expanse.	Wing.	Tail.	Culmen from frontal feathers.	Culmen measured from extreme base.	Culmen measured from nostril.	Gape.	Height of bill at extreme base.	Width of bill at base.	Width of bill at widest point.	From tip of bill to center of nostril.	From tip of bill to cere.	From base of culmen to front of feathers on occiput.	From head of tibia to end of tarsus.	Tibia.	Base of tarsus.	Tarsus.	Middle toe with claw.	Middle toe.	Hallux with claw.	Claw of hallux.
5455	♂ ad.	251	Horn Lake, Inyo Co., Calif.	May 31 1887	412	660	196	88	45	36	55	19	18	70	92	47	145	65	13	34	47	8.5	13	3		
5261	♀ ad.	223	Fort Verde, Arizona	April 27 1887	421	660	190	82	45	54	35	52	17.5	17	18	68	89	46	140	65	13	35	46	7	13.5	3.8
5262	♀ ad.	223	Fort Verde, Arizona	April 27 1887	402	612	177	76	44	51	33	50	17.5	15.5	17	65	88	45	137	63	11	33.5	43.5	7	13	3.2

Note.—Some of the females, whose measurements are here tabulated, may be specimens of *Anas discors*. The skins should all be examined, and compared carefully; especially No. 4220.

RETURN—Continued.

ADDITIONAL ARTICLES.

Anas cyanoptera, Vieill.				Cinnamon Teal.																				
No.	Sex & Age.	Page in Journal.	Locality.	Middle claw. Hallux with its claw Claw of hallux	Date.	Length.	Alar expanse.	Wing.	Tail.	Culmen from frontal feathers. Palmate & open in the bill closed.	Gape.	Height of bill, at extreme base. Culmen from nostril.	Width of bill at base.	Width of bill at widest point.*	*From tip of bill to centre of pupil. From tip of bill to occiput.	From frontal feathers to occiput.	From head of tibia to end of claw.	Tibia.	Bare portion of tibia.	Tarsus.	Middle toe with its claw.	Weight.		
2655	♂ ad.	180	Bingham's Station, 24 m. N. of Prescott, Ariz.	7 13 3.7	Mar. 19, 1884	432	660	193	85	47	55	56	18.5	37	16.5	18	70	94	47	147	65	13	35	49
4759	♂ ad.	201	Peck's Lake, Verde Valley, Arizona	8.5 16 5	Apr. 20, 1886	432	660	195	83	48	57	54	20	36	17	18	72	98	49	148	68	11	34	47
4770	♂ ad.	202	do	9 13 4.5	Apr. 20, 1886	420	655	200	83	43	52	51	19	35	17	18					10	34	47	
4772	♂ ad.	202	do	8 13 4	Apr. 20, 1886	435	680	201	86	45	54	53	19	36	17	18					12	34	46	
4773	♂ ad.	202	do	8 13 4.4	Apr. 20, 1886	423	665	200	87	46	54	55	18.5	35	18	19					12	38	45	
4774	♂ ad.	203	do	9 13 4.2	Apr. 20, 1886	430	630	182	86	45	55	54	18.5	36	17	18					12	33	46	
4775	♂ ad.	203	do	8.5 13 4	Apr. 20, 1886	430	666	201	89	49	57	55	18.5	37	18	19					13	34	47	
4776	♂ ad.	203	do	9 13 4	Apr. 20, 1886	440	665	200	87	46	54	53	18.5	36	17	18					12	35	47	
5155	♂ ad.	169a	Fort Verde, Arizona.	9 15 4.6	Mar. 9, 1887	442	663	200	90	48	58	57	18.5	37	18	19	73	97	46	149	67	12	35	49
5156	♂ ad.	169a	Fort Verde, Arizona.	7.5 13 4.5	Mar. 9, 1887	430	675	198	82	47	57	57	20	37	16	18	70	95	47	147	68	14	36	48
5169	♂ ad.	175	Fort Verde, Arizona.	7 13 4	Mar. 17, 1887	435	650	187	80	48	56	58	21	37	18.4	18.4	73	97	51	143	68	13	36	47
5170	♂ ad.	175	Fort Verde, Arizona.	8 13 4	Mar. 17, 1887	405	630	195	82	43	51	51	18	33	18	19	67	88	46	140	61	10	35	46
5171	♂ ad.	176	Fort Verde, Arizona.	6.5 12.5 3.8	Mar. 17, 1887	415	634	190	87	45	55	53	18	35	18	18.5	70	90	45	128	61	10	32	42
5172	♂ ad.	176	Fort Verde, Arizona.	7.7 13.5 4	Mar. 17, 1887	415	650	197	92	44	53	55	19	34	18	18.5	70	91	45	136	62	12	34	46
5176	♂ ad.	178	Fort Verde, Arizona.	8 13 4.2	Mar. 21, 1887	425	655	196	85	45	54	54	19	35	17	18	68	90	45	139	62	10.5	34	47
5217	♂ ad.	193	Fort Verde, Arizona.	8 13 4	Apr. 8, 1887	424	655	193	82	45	54	55	18.5	35	17	18	71	93	47	140	64	11	34	44
5240	♂ ad.	210	Oak Creek, Arizona.	6.7 12.5 3.3	Apr. 16, 1887	417	630	183	80	46	54	54	19	35	17	18	69	92	45	133	61	11	32	44
4220	♀ ad.	19	Fort Verde, Arizona.	9	Sep. 17, 1885	420	660	200	86	47	56	54									14	35	48	
4703	♀ ad.	174	Fort Verde, Arizona.	7 13 4	Apr. 3, 1886	408	640	190	87	41	50	50	16	33	18	20	65	55	42	133	62	12	33	45
4776	♀ ad.	203	Peck's Lake, Verde Valley, Arizona	7.5 13 4	Apr. 20, 1886	384	617	181	75	40	48	47	16	32	17	18	64				12	31	40	
4777	♀ ad.	203	do	7 13 4	Apr. 20, 1886	405	630	175	82	42.5	49	50	17	32	16.5	17					11	33	44	
4778	♀ ad.	203	do	8 13 4	Apr. 20, 1886	395	625	179	82	40	48	49	17	32	16	17					12	33	43.5	
5159	♀ ad.	173	Fort Verde, Arizona.	8 14 4	Mar. 14, 1887	397	616	180	81	43	51	50	17.5	33	16	17	65	85	41	134	61	9	31.5	44
5160	♀ ad.	173	Fort Verde, Arizona.	7 13 3.5	Mar. 14, 1887	400	633	187	87	42	49	49	17.5	32	17	18	64	84	42	137	62	10	33	45
5173	♀ ad.	176	Fort Verde, Arizona.	7.6 13.5 4.2	Mar. 17, 1887	406	600	186	80	44	54	52	17	35	17	18	68	89	45	136	62	10	33	44
5174	♀ ad.	176	Fort Verde, Arizona.	8 15 4.8	Mar. 17, 1887	400	625	190	84	42	50	50	16	32	16	16.5	64	87	43	133	63	11	33	45
5218	♀ ad.	193	Fort Verde, Arizona.	7.5 13 3.9	Apr. 8, 1887	405	622	185	82	44	51	48	18	32	16	17	64	85	42	138	63	12	33	45
5221	♀ ad.	194	Peck's Lake, Verde Valley, Arizona	7.6 14 4	Apr. 12, 1887	402	628	182	80	44.5	52	53	18.5	34	16.5	17	66	89	43	139	66	11	33	45
5222	♀ ad.	195	do	8 13.5 3.5	Apr. 12, 1887	400	650	192	84	44	52	51	18	33	16.5	17	66	88	45	143	66	12	33	46
5223	♀ ad.	195	do	7 13.5 4	Apr. 12, 1887	401	612	177	76	41	48	49	17	31	16	17	62	83	42	134	60	10	32	42
5241	♀ ad.	211	Oak Creek, Arizona.	8 13 4.4	Apr. 16, 1887	413	636	184	86	45	53	53	17	35	17	18	68	89	44	135	61	11	34	45
5247	♀ ad.	212	Fort Verde, Arizona.	7.5 12.5 3.5	Apr. 17, 1887	378	617	181	78	43	49	50	17	32	16	17	63	86	40	139	64	10	31	44
*Diameter of eye, 8.4. Diameter of eye, 8. Diameter of eye, 6.9.				*or at most expanded portion.																				
(over)																								

* Diameter of eye, 8.4. Diameter of eye, 8. Diameter of eye, 6.9.

* or at most expanded portion.

(OVER)

RETURN—Continued.

ADDITIONAL ARTICLES.

<i>Bubo virginianus subarcticus</i> (Wag.) Ridgw. Western Horned Owl.																								
No.	Sex and Age	Page no Journal	Locality	Date	Length	Alar expanse	Wing	Tail	Culmen and cere	Cere	Culmen	Gape	Tarsus	Middle toe and claw	Wind claw	Inner claw	Mid to claw	Outer claw	Tibia	Distance of eye	Distance from tip of bill to claw	Tip of bill to center of pupil	Tip of bill to occiput	Wear of cere at occiput
3250	♂ ad 199		Fort Verde, Arizona	Sept. 7	1884	490	1270	350	210	40	21	24.5	45	69	71	33.5	30	28	35	Diameter of eye, 24. Height of bill, 69. See Journal.				
3669	♀ ad 274		Fort Verde, Arizona	Dec. 30	1887	535	1330	400	235	35	19	25	41	57	72	26	25	30	31	See Journal.				
3671	♀ ad 275		Fort Verde, Arizona	Jan. 1	1885	520	1255	355	215	42	19	27	40	54	70	24	31	29	35	See Journal.				
3685	♀ ad 277		Fort Verde, Arizona	Jan. 3	1885	520	1325	390	210	40	18	25	44	55	68	21	27	28	34					
3686	♂ ad 277		Fort Verde, Arizona	Jan. 4	1885	495	1240	360	215	36	15	24	42	55	60	22	27	25	23	A mated pair, shot, and at same shot.				
3687	♀ ad 277		Fort Verde, Arizona	Jan. 4	1885	533	1335	385	235	31	18	30	40	58	70	25	31	29	26					
3755	♂ ad 324		Fort Verde, Arizona	Feb. 9	1885	485	1270	365	210	40	21	24	45	57	66			26						
3813	♂ ad 332		Fort Verde, Arizona	Mar. 2	1885	510	1255	355	205	40	21	24	42	61	65	21	27	25	22					
4147	♂ ad 2		Fort Verde, Arizona	Sept. 3	1885	500	1315	365	215	39	17	26	43	61	63	24	28	27	24	See Journal.				
4221	♀ ad 19		Fort Verde, Arizona	Sept. 17	1885	535	1325	385	225	44	18	30	46	63	75			31	See Journal.					
4262	♀ ad 44		Beaver Creek, Arizona	Oct. 28	1885	530	1370	390	230	44	20	29	47	65	72			30	See Journal.					
4263	♀ ad 47		Fort Verde, Arizona	Oct. 30	1885	550	1310	390	230	42	19	37	48	64	72			30	See Journal.					
4358	♀ ad 80		Fort Verde, Arizona	Dec. 26	1885	515	1310	370	230	40	18	37	46	60	66	24	28	26	23	See Journal.				
4406	♀ ad 114		Fort Verde, Arizona	Jan. 15	1886	525	1325	380	215	42	18	39	47	60	70	23	30	28	25	See Journal.				
4853	♂ juv. 219		Beaver Creek, Arizona	May 14	1886														Just able to fly.					
4964	♀ ad. 41		Fort Verde, Arizona	Aug. 23	1886	540	1365	387	233	43	19	29	47	59	69	25	31	30	26	See Journal.				
4985	♂ ad 46		Beaver Creek, Arizona	Aug. 28	1886	490	1260	357	218	39	15	28	43	60	65	21	28	27	22.5	See Journal.				
4986	♀ ad. 46		Fort Verde, Arizona	Aug. 30	1886	525	1295	365	230	40	21	35	43	56	67	24	29	27.3	24	See Journal.				
5077	♀ ad. 118		Montezuma Mill, Beaver Creek, Ariz.	Dec. 26	1886	535	1420	410	250	42	17	29	48	65	68	31	25	31	27	133.				
5164	♀ ad 174		Fort Verde, Arizona	Mar. 14	1887	575	1430	405	240	42	18.5	27	47	64	72	25	30	28	25	133. 23 49				
5396	♂ juv. 260		Beaver Creek, Arizona	May 20	1887														Just able to fly. Still with parents.					
5820	♀ ad 302		Fort Verde, Arizona	Dec. 12	1887	522	1330	385	220	41	16	29	46	61	72	24	29	28	24	127 22 44 51 90 64*				
5821	♀ ad 302		Fort Verde, Arizona	Dec. 13	1887	532	1350	385	230	42	17	29	48	61	70	26	32.5	29	25	130 22 45 53 91 65*				

RETURN—Continued.

Branta canadensis occidentalis

ADDITIONAL ARTICLES.

No.	Sex and age.	Date.	Locality.	Length.	Alar expanse.	Wing.	Tail.	Culmen from frontal feathers.	Culmen measured from extreme base.	Culmen measured from nostril.	Gape.	Height of bill at extreme base.	Width of bill at base.	From tip of upper mandible to centre of pupil.	From tip of bill to occiput.	From base of culmen to tip of bill.	Diameter of eye.	Head of tibia to end of claws.	Tibia.	Base portion of tibia.	Tarsus.	Middle toe with its claw.	Middle claw.	Hallux with its claw.	Claw of hallux.	Points.	Weight.
4365	♀ ad. Jan.	4, 1886.	Fort Verde, Arizona.	870	1740	490	160	54	63	28	63	30	26	88	125						28	91	99	14			
5712	♂ ad. Nov.	6, 1887.	Granite Mountain, near Whipple Barracks, Arizona.	990	1810	510	200	60	71	31	55							335	165	22	93	98	15	27	8		
5827	♂ ad. Dec.	18, 1887.	Verde River, at mouth of Bear or Creek, Arizona.	955	1790	507	182	54	64	29	57	30	30	90	128	75	11	375	180	24	98	103	13	32	8	10	0
5904	♀ ad. Dec.	28, 1887.	Verde River, 12 m. N. of Fort Verde, Arizona.	912	1730	485	177	53	63	28	59	29	29	86	123	72	10.5	358	169	23	90	92	13	30	8	9	0
5932	♂ ad. Jan.	4, 1888.	Verde River, at mouth of Bear or Creek, Arizona.	994	1825	506	195	60	72	33	68	32	28	95	134	74	9.5	365	172	29	97	99	15.5	32	9	9	0
5933	♀ ad. Jan.	7, 1888.	" " " " " "	910	1775	505	180	49	58	29	56	28	27	82	123	74	10.5	334	160	20	90	89	12.5	31	8.5	8	3
5934	♀ ad. Jan.	7, 1888.	" " " " " "	920	1755	500	185	52	62	29	57	30	29	87	126	74	10.7	347	170	21	90	91	13.5	28	9	8	9
5935	♂ ad. Jan.	7, 1888.	" " " " " "	993	1825	520	190	54	67	32	59	33	29	92	133	78	10.5	365	175	26	99	97	14	33	9	9	1
5936	♂ ad. Jan.	7, 1888.	" " " " " "	940	1800	510	199	52	65	31	58	29	29	88	127	74	11	356	175	23	94	96	14	31	9.5	8	15
5953	♂ ad. Jan.	10, 1888.	" " " " " "	1000	1870	530	190	56	69	31	62	32	29	94	135	76	11.5	380	180	25	101	101	15	34	9.5	9	3
5954	♀ ad. Jan.	10, 1888.	Verde River at Fort Verde, Arizona.	870	1640	470	168	53	63	27	57	30	27	84	120	67	11	337	164	28	88	88	12	33	8.5	8	12
6006	♀ ad. Jan.	25, 1888.	" " " " " "	940	1735	485	175	57	72	33	65	32	28	96	132	77	11	360	175	25	94	95	13	33	9	7	6
6007	♂ ad. Jan.	25, 1888.	" " " " " "	980	1835	540	191	58	70	30	64	34	30	93	130	77	11.3	373	177	24	97	98	14	35	9	9	5
6008	♂ juv. Jan.	25, 1888.	" " " " " "	912	1835	520	187	53	65	28	61	29	29	87	127	77	11.2	355	173	24	90	93	13	30	9	8	15

* Height of bill measured at frontal feathers, 30. † middle toe alone, 88.

* Eviscerated

RETURN—Continued.

ADDITIONAL ARTICLES.

Accipiter cooperi (Bonap.). Cooper's Hawk.

Length. Alar expanse. Wing. Tail. Chord of culmen and cere together. Cere. Culmen. Gape. Tip of bill to centre of pupil. Tip of bill to cere. From base of cere to occiput. Diameter of eye. Tibia. Tarsus. Middle toe with its claw. Middle claw. Hallux with its claw. Claw of hallux. Inner claw. Outer claw.

3225	♀ juv	76 May 2, 1884	Fort Verde, Arizona.	480	855	260	240	27	11	17	28							69	59	15
3227	♂ juv	176 Aug. 20, 1884	do	430	755	235	220	23	9	16	25							65	52	13
3329	♂ juv	205 Sept. 16, 1884	do	415	750	230	207	23	10.5	15	24							61	49	15
4157	♂ juv	415 Aug. 6, 1885	do	430	753	234	208	24	10	16	26							62	53	14
4202	♂ juv	3 Sept. 9, 1885	do	425	760	233	205	22	10	14.5	23.5							64	51	13
5378	♂ juv	247 May 13, 1887	do	417	733	225	205	22	8.5	14.5	25							77	62	51
5658	♂ juv	261 Aug. 17, 1887	do	Nestling just from nest, barely able to fly.															12.5	36
5707	♂ juv	284 Nov. 1, 1887	do	428	732	230	204	23	11	14.3	26							85	62	50
3321	♂ juv	203 Sept. 15, 1884	do	485	850	263	245	26	13	17	29							70	59	16
3342	♂ juv	210 Sept. 23, 1884	do	485	850	262	240	27	12	18	27							66	60	17
3462	♀ juv	432 Oct. 24, 1884		480	840	263	235	28	11	19	28							65	58	16
4108	♀ juv	June 25, 1885	Near Fort Verde, Arizona.	Shot in nest; still unable to fly.																
4871	♀ juv	224 May 37, 1886	Fort Verde, Arizona.	480	840	263	225	28	11	19	28							65	58	16
4964	♀ juv	37 Aug. 15, 1886		480	855	273	245	27	11	17.5	29							69	59	16.5
4997	♀ juv	56 Sept. 6, 1886		462	870	270	243	28	11	19	30							68	58	15.5
5209	♀ ad.	187 April 1, 1887		487	870	270	250	28	12	18	28	36	60	45	9	92	68	57	14	41

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and Age	Locality	Weight oz.	Tarsus	Length	Alar expanse	Wing	Tail	Culmen	Gape	Middle toe and claw	Length of hind toe and claw	Length of middle toe and claw	Tibia	Middle toe alone	Healing with old claw	New yellow	Inner claw	Outer claw	Tip of bill to center of eye	Tip of bill to base of culmen	Base of culmen to occiput
3692	♂ ad 279	Fort Verde, Arizona	Jan. 8 1885	275	115	113	11	8	13	34	39	10										
3693	♂ ad 279	Fort Verde, Arizona	Jan. 9 1885	287	115	108	11	8	12.5	33	38	10										
3694	♂ ad 281	Fort Verde, Arizona	Jan. 10 1885	275	111	106	11	8	13	32	37	9	40	6								
3729	♂ ad 313	Oak Creek, Arizona	Jan. 16 1885	290	112	109	10.5	8	12.5	33	39	10	41	5								
3832	♀ ad 339	Fort Verde, Arizona	Mar. 20 1885	267	113	95	11	8	13	33	36	10										
3831	♀ ad 339	Fort Verde, Arizona	Mar. 20 1885	288	117	99	12.5	8.5	15	33	34	9										
3902	♀ ad 4	Near Fort Lowell, Arizona	April 7 1885	280	112	101	11	8	14	30	34	10										
3958	♂ ad 8	Bowie Station, Arizona	April 30 1885	275	118	104	12	8	12.5	32	35	8										
4287	♀ ad 53	Fort Verde, Arizona	Nov. 13 1885	282	115	104	10.5	7	14	32	35	9										
4353	♂ ad 80	Fort Verde, Arizona	Dec. 26 1885	289	118	110	11	8	14	32	38	10	46		29.5	6	9	8				
4689	♀ ad 169	Fort Verde, Arizona	Mar. 28 1886	280	116	100	11	8	14	31	36	9										
5822	♂ ad 303	Oak Creek, Arizona	Dec. 14 1887	280	120	105	11.5	8	15	34	34.5	10		52	13	5.8						Albino.
5826	♂ ad 304	Fort Verde, Arizona	Dec. 18 1887	298	120	104	11.8	9	16	33	38	11	40		59	14	6					

iris hazel; bill black; feet and toes plumbeous gray; scutellum spotted with brown; claws blackish. Iris dark hazel; bill feet black; feet and toes brownish gray; claws blackish.

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and Age	Locality	Date	Wing	Tail	Culmen	Nostril	Length	Alar Ext.	Mid Tars.	Foot	Claw	Length of Tarsus	Remarks
2679	♂ ad.	58 Hudson's on Rio Grande, A.T.	Jan. 24, 1884	277	377	115	107	11	13	32	36	9		Bill somewhat yellowish, feet, claws and toes, blackish.
2682	♂ ad.	54 Fort Verde, Arizona	Jan. 28, 1884	255	372	117	11	12	14	31	36	8		Bill dark, nostrils, feet and feet, brownish some gray; claws black.
2683	♀ ad.	58 Fort Verde, Arizona	Mar. 28, 1884	275	368	108	101	11	14	30	38	10		
2744	♀ ad.	66 Fort Verde, Arizona	April 15, 1884	280	368	110	101	11.5	14	33	37	10.5		
2755	♂ ad.	67 El Estero near Fort Verde, A.T.	April 18, 1884	283	360	107	102	10.5	14	29.5	38	9		
2788	♂ ad.	71 Agua Fria near Guadalupe Rancho, A.T.	April 25, 1884	287	368	113	109	11.5	14	30	35.5	10		
2789	♂ ad.	72 do do	April 25, 1884	286	378	115	103	11	14	33	38	9		
2790	♂ ad.	72 Hudson's on Ash Creek, A.T.	April 25, 1884	283	371	112	105	11.7	15	33.5	37	9.5		
2791	♂ ad.	72 Hudson's on Ash Creek, A.T.	April 25, 1884	277	367	112	105	11	13.8	31	37	8.4		
2792	♀ ad.	72 Agua Fria near Guadalupe Rancho, A.T.	April 25, 1884	282	375	112	99	11.5	14.7	32.5	35	9		
2795	♂ ad.	72 El Estero near Fort Verde, A.T.	April 26, 1884	274	360	107	94	10.3	14	32	30.5	8.2		
2796	♂ ad.	72 El Estero near Fort Verde, A.T.	April 26, 1884	282	377	116	101	11.3	13.8	31.5	39	10		
2836	♀ ad.	77 Fort Verde, Arizona	May 2, 1884	280	375	112	103	11	13.5	34.5	36.5	9.5		
2851	♂ ad.	23 Hudson's on Ash Creek, A.T.	May 19, 1884	280	373	114	104	11.5	14	33	38	10		
2882	♂ ad.	23 do do	May 19, 1884	285	375	112	103	11.2	14	31	36	9		
2883	♀ ad.	23 do do	May 19, 1884	283	365	113	105	11.5	14	30	38	9		
2884	♀ ad.	23 do do	May 19, 1884	283	374	117	103	11.7	15	31	36	8.5		
3021	♂ ad.	111 Fort Verde, Arizona	June 16, 1884	285	380	114	107	12	14	35	35	9		
3041	♀ ad.	135 Fort Verde, Arizona	July 11, 1884	285	360	111	104	11.5	13	31	35	9		In exceedingly worn breeding plumage, its breast denuded of feathers.
3042	juv.	135 Fort Verde, Arizona	July 12, 1884	285	365	108	70	12	15	28	33	6	2.2	Young of the year, 1st. dusky brown, throat and feet flesh color, with brown markings; claws dusky brownish; no nasal, the nostrils brown.
3044	juv.	136 Fort Verde, Arizona	July 12, 1884	285	362	105	71	8.7	11.5	27	31	5.5	2.1	Young of the year, 2nd. feet brownish black, claws dusky, bill with maxilla brown, mandible dusky.
3095	juv.	136 Fort Verde, Arizona	July 12, 1884	175	275	83	54	9	11	26	30	6	15	Throat color, throat and feet brownish green, claws dusky, bill with maxilla brown, mandible dusky.
3096	♀ juv.	136 Fort Verde, Arizona	July 12, 1884	210	312	97	72	10	12	27	30	7	2.3	Bill with maxilla brown, mandible horn color, sides dusky, legs and feet brownish black, claws dusky.
3097	juv.	136 Fort Verde, Arizona	July 12, 1884	187	285	90	67	9	10.5	23.5	30	6		Bill with maxilla brown, mandible horn color, sides dusky, legs and feet brownish black, claws dusky.
3098	juv.	136 Fort Verde, Arizona	July 12, 1884	199	295	91	65	10	11	25	31	6.5	14	Bill with maxilla brown, mandible horn color, sides dusky, legs and feet brownish black, claws dusky.
3175	♂ ad.	152 Fort Verde, Arizona	July 27, 1884	250	305	110	98	11	13.5	33	37	8		Bill with maxilla brown, mandible horn color, sides dusky, legs and feet brownish black, claws dusky.
3337	♂ ad.	209 Fort Verde, Arizona	Sept. 22, 1884	290	377	112	103	11.5	14.5	34	37	9.5		Moulting, but wings and tail in good condition, immature moult can be seen. This is the first of the many young taken & examined, in complete adult plumage. Its throat, feet, and claws are all black.
3493	♂ ad.	247 Huachuca Village, Culiacan Co. A.T.	Nov. 10, 1884											Immature, but wings and tail in good condition, immature moult can be seen. This is the first of the many young taken & examined, in complete adult plumage. Its throat, feet, and claws are all black.
3494	♂ ad.	247 Huachuca Village, Culiacan Co. A.T.	Nov. 11, 1884											Immature, but wings and tail in good condition, immature moult can be seen. This is the first of the many young taken & examined, in complete adult plumage. Its throat, feet, and claws are all black.
3654	♂ ad.	261 Fort Verde, Arizona	Dec. 17, 1884	275	360	113	101	11	13	32	35	8.5		
3655	♀ ad.	264 Fort Verde, Arizona	Dec. 27, 1884	250	362	110	107	11	13.5	33	35	8		
3660	♀ ad.	264 Fort Verde, Arizona	Dec. 25, 1884	272	372	116	110	11	13	32	35.5	10		

RETURN—Continued.

ADDITIONAL ARTICLES.

Vireo gilvus cf. *can.*

No. in series.	Sex and age.	Date.	Length.	Alar expanse.	Wing.	Tail.	Bill measured from base of culmen.	Bill measured from nostril.	Gape.	From tip of bill to center of pupil.	From tip of bill to receptacle.	Base of culmen to occiput.	M. tibia.	Tarsus.	Middle toe with its claw.	Middle claw.	Hallux with its claw.	Claw of hallux.	Inner claw.	Outer claw.	Height of bill at base.	Width of bill at base.	Middle toe without claw.	From secondaries to tip of primary.	Locality.	Nature of specimen.	
Average of about 6 spec. ad.			147.3	230.4	72.8	54.3	61.6	8.7	6.2	17.2	7.7	18.2	18.29												Highland Falls, N.Y.	Fresh.	
136	♂ ad.	May 24, 1884			72.0	55.00			7.50	17.00			17.50												skin	Catalina Mill, Arizona (Scott.)	Skin
2218	♂ ad.	April 2, 1885			73.0	59.00			7.20	15.50			16.50												skin	Arizona (Scott.)	Skin
642	♂ ad.	July 28, 1884			70.0	52.00			8.00	17.00			17.50												skin	Catalina Mill, Arizona (Scott.)	Skin
585	♀ ad.	July 20, 1884			65.0	50.00			7.10	16.70			18.00												skin	do	Skin
5221	♀ ad.	July 4, 1884	137.2	218.4	70.0	51.00			8.00	17.00			17.20												skin	Mill City, Colo. =	Skin
3286	♂ ad.	Sept. 8, 1884	140.0	217.0	67.0	57.00			7.00	16.00			18.00	15.0											skin	Fort Verde, Arizona (Mearns)	Fresh.
4946	♀ ad.	July 5, 1886	140.0	233.0	76.0	58.00	11.0	8.00	15.00				16.50	14.0	4.6										skin	Fort Verde, Arizona (Mearns)	Fresh.
4988	♂ ad.	Sept. 2, 1886	137.0	234.0	72.0	55.00	11.30	7.20	16.05				19.00	14.8	4.0										fresh	Fort Verde, Arizona (Mearns)	Fresh.
5001	♀ ad.	Sept. 7, 1886	134.0	208.0	68.0	51.00	11.50	7.00	16.00				17.00	14.0	4.0										do	do	Fresh.
5374	♂ ad.	May 15, 1887	141.0	222.0	73.0	55.00	10.5	7.10	16.50	1.4	31	20.5	24	17.00	14.0	4.1	11.0	4.80							do	do	Fresh.
5398	♀ ad.	May 20, 1887	132.0	222.0	70.0	54.00	10.5	7.00	16.00				18.00	14.5	4.3										do	Beaver Creek, Arizona (Mearns)	Fresh.
5433	♀ ad.	May 26, 1887	135.0	217.0	71.0	57.00	11.0	7.20	15.50				17.00	14.0	4.0	10.5	5.50								do	Quapine Ash Settlement, Summit Mogallon Mts. (Mearns)	Fresh.
5438	♀ ad.	May 27, 1887	140.0	225.0	72.0	54.00	11.0	7.10	17.00				18.00	15.0	4.8										do	do	Fresh.
5474	♂ ad.	June 8, 1887	144.0	225.0	73.0	60.00							20.00	15.0	5.0										do	San Francisco Mtn, Arizona (Mearns)	Fresh.
6318	♀ ad.	May 5, 1888	139.0	225.0	71.0	55.00	11.7	7.50	16.00				23.00	18.70	13.0	4.0	11.0	5.00							do	Fort Verde, Arizona (Mearns)	Fresh.
6367	♀ ad.	May 14, 1888	137.0	216.0	68.0	51.00	10.0	7.30	16.00				21.00	18.00	13.0	4.0	10.5	5.00							do	do	Fresh.
6374	♀ ad.	May 17, 1888	137.0	212.0	68.0	53.00	11.0	8.00	17.00	1.9	30.5	21.0	23.50	17.00	13.0	4.0	11.0	5.00							do	do	Fresh.
Average 13 spec. ad.			138.5	220.34	70.38	54.69	10.93	7.51	16.17				17.80	14.												Fort Snelling Mtn. near St. Paul, Minn.	Fresh.
6401	♂ ad.	June 23, 1888	151.0	233.0	74.0	57.00	12.5	8.50	18.00	20.5	31.5	22.0	26.00	19.00	15.00	5.0	13.0	5.70							do	do	Fresh.
6649	♂ ad.	May 23, 1889	145.0	222.0	71.0	55.00	11.3	8.40	18.50																do	do	Fresh.

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex & Age	Page in Journal	Locality.	Date	Length	Wing ex, band	Wing	Tail	Culmen & Cere	Cere alone	Culmen	Gape	Tarsus	Middle toe with its claw	Middle claw	Hallux with its claw	Tip of hallux	Tibia	Middle toe alone	Diameter of eye	Tip of middle toe	Claw of middle toe	Tip of bill to cere	Tip of cere to occiput	Tip of cere to occiput	Inner claw	Outer claw
4265	♀ juv	49	Fort Verde, Arizona	June 9 1885	280	600	203	138	16.5	4	13.5	18	37	33	11												
4324	♀ ad	74	Fort Verde Arizona	Dec. 14 1885	383	610	198	142	14	4	12	17	37	30	10				22								
4713	♂ ad	176	Fort Verde Arizona	April 4 1886	266	580	196	134	15.5	4	13	17	36	31	10												
5010	♂ juv	61	Fort Verde Arizona	Sept. 14 1886	270	580	195	138	14	4	11	18	37	30	9.2	20	9	50		8						8.5	7.5
5839	♂ ad	305	Fort Verde Arizona	Dec. 20 1887	267	570	190	135	13	2.5	11	18	36	31	10	19	9.5	47				24	41	35	10	8	

RETURN—Continued.

ADDITIONAL ARTICLES.

Tinnunculus sparverius

No.
Sex and Age
Page in journal

Locality

Date

Length

Wing

Tail

Culmen

Gape

Midtarsus

Length of wing

Length of tail

Length of culmen

Length of gape

Length of midtarsus

Length of wing

Length of tail

Length of culmen

Length of gape

Length of midtarsus

Length of wing

Length of tail

Length of culmen

2787	♂ ad.	58	Fort Verde Arizona	Apr. 1 1884	265	190	115	35	18	35	11	6.6	33	31	7.5	[See journal for colors of parts. Irides hazel. Gape, eyelids, skin at base of bill, throat and breast orange yellow. Claws black. Bill plumbeous, shading to black at tip. Stomach filled with grasshoppers. Shot on a tree. See journal.]
2782	♂ ad.	64	Fort Verde Arizona	Apr. 12 1884	270	195	120	35	18	35	11	6.6	33	31	7.5	
2777	♀ ad.	69	Whipple's Spring, Arizona	Apr. 22 1884	270	195	120	35	18	35	11	6.6	33	31	7.5	
2793	♀ ad.	70	Cherry Creek, Globe, Ariz.	May 20 1884	290	210	140	35	18	35	11	6.6	33	31	7.5	
2811	♀ ad.	74	Fort Verde Arizona	May 29 1884	280	200	130	35	18	35	11	6.6	33	31	7.5	
2812	♀ ad.	74	Fort Verde Arizona	May 29 1884	285	205	135	35	18	35	11	6.6	33	31	7.5	
2822	♂ ad.	76	Fort Verde Arizona	May 1 1884	262	183	107	35	18	35	11	6.6	33	31	7.5	
2833	♀ ad.	77	Fort Verde Arizona	May 2 1884	270	195	120	35	18	35	11	6.6	33	31	7.5	A mottled pair, looking for a nest. [See journal for colors of parts. Irides hazel. Gape, eyelids, skin at base of bill, throat and breast orange yellow. Claws black. Bill plumbeous, shading to black at tip. Stomach filled with grasshoppers. Shot on a tree. See journal.]
2834	♂ ad.	77	Fort Verde Arizona	May 3 1884	270	195	120	35	18	35	11	6.6	33	31	7.5	
2835	♀ ad.	77	Fort Verde Arizona	May 2 1884	265	185	105	35	18	35	11	6.6	33	31	7.5	
2842	♂ juv.	80	Fort Verde Arizona	May 23 1884	260	182	103	35	18	35	11	6.6	33	31	7.5	
2844	♂ ad.	82	Fort Verde Arizona	May 28 1884	270	195	120	35	18	35	11	6.6	33	31	7.5	
3128	♂ juv.	173	Fort Verde Arizona	July 10 1884	270	195	120	35	18	35	11	6.6	33	31	7.5	
3129	♀ juv.	173	Fort Verde Arizona	July 18 1884	270	195	120	35	18	35	11	6.6	33	31	7.5	
3310	♂ juv.	199	Fort Verde Arizona	Sept. 11 1884	270	195	120	35	18	35	11	6.6	33	31	7.5	
3332	♀ juv.	203	Fort Verde Arizona	Sept. 15 1884	280	210	140	35	18	35	11	6.6	33	31	7.5	
3333	♂ juv.	203	Fort Verde Arizona	Sept. 15 1884	270	195	120	35	18	35	11	6.6	33	31	7.5	
3327	♂ juv.	204	Fort Verde Arizona	Sept. 15 1884	265	185	105	35	18	35	11	6.6	33	31	7.5	
3325	♂ juv.	204	Fort Verde Arizona	Sept. 15 1884	275	193	138	35	18	35	11	6.6	33	31	7.5	
3334	♂ juv.	207	Fort Verde Arizona	Sept. 19 1884	277	195	138	35	18	35	11	6.6	33	31	7.5	
3411	♂ ad.	431	Fort Abasco Arizona	Dec. 13 1884	272	193	136	35	18	35	11	6.6	33	31	7.5	
3424	♂ ad.	431	Gila River 10 m. below San Carlos, Ariz.	Dec. 17 1884	277	205	147	35	18	35	11	6.6	33	31	7.5	
3436	♀ juv.	432	Apache Spring near Globe City, Ariz.	Oct. 19 1884	277	215	157	35	18	35	11	6.6	33	31	7.5	
3501	♂ ad.	477	Apache Spring, Globe, Ariz.	Nov. 11 1884												
3617	♂ ad.	247	Fort Verde Arizona	Dec. 1 1884	275	195	146	35	18	35	11	6.6	33	31	7.5	
3632	♂ ad.	266	Fort Verde Arizona	Dec. 17 1884	273	195	140	35	18	35	11	6.6	33	31	7.5	
3756	♀ ad.	324	Fort Verde Arizona	Feb. 9 1885	267	188	120	35	18	35	11	6.6	33	31	7.5	
3758	♂ ad.	324	Fort Verde Arizona	Feb. 9 1885	272	195	147	35	18	35	11	6.6	33	31	7.5	
3770	♂ ad.	327	Fort Verde Arizona	Feb. 19 1885	262	188	131	35	18	35	11	6.6	33	31	7.5	
3814	♀ ad.	332	Fort Verde Arizona	Mar. 4 1885	280	210	138	35	18	35	11	6.6	33	31	7.5	
3830	♀ ad.	339	Fort Verde Arizona	Mar. 20 1885	280	210	138	35	18	35	11	6.6	33	31	7.5	
3833	♀ ad.	334	Fort Verde Arizona	Mar. 20 1885	266	190	135	35	18	35	11	6.6	33	31	7.5	

Note.—Other specimens collected are 39968, 39978, 52428, all in downy plumage, and No. 40668, a half-fledged nestling. These comprise all specimens taken.

RETURN—Continued.

ADDITIONAL ARTICLES.

No.	Sex and age.	Page in Journal.	Locality.	Date.	Length.	Alar expanse.	Wing.	Tail.	Culmen and cere, chord taken together.	Cere.	Culmen (chord).	Gape.	Tip of bill to centre of pupil.	Tip of bill to occiput.	Basal of cere to occiput.	Diameter of eye.	Iris.	Tarsus.	Middle toe with its claw.	Middle claw.	Hallux with its claw.	Claw of hallux.	Inner claw.	Outer claw.	Weight, lbs., avoird.	
Buteo borealis calurus (Cass.). Western Red-tail. (Young.)																										
2718	♂ juv.	62	Fort Verde, Arizona.	Apr. 10, 1884	547	1275	386	245	35	14	24	44							83	61	23					
3352	♂ juv.	212	Fort Verde, Arizona.	Sept. 25, 1884	553	1285	335	255	36	15	25	43							88	67	23					
4173	♂ juv.	424	Fort Verde, Arizona.	Aug. 24, 1885	540	1280	393	240	35	14	5	25	45						85	67	23					
4178	♂ juv.	425	Fort Verde, Arizona.	Aug. 27, 1885	545	1290	410	270	34	15	23	5	42						87	64	23					
4250	♂ juv.	39	Fort Verde, Arizona.	Oct. 16, 1885	590	1360	430	265	39	15	26	43	Middle toe alone, 47.						86	67	24					
4401	♂ juv.	103	Fort Verde, Arizona.	Jan. 14, 1886	530	1240	390	245	33	12	23	43	Middle toe alone, 40						80	60	22			29	26	518
4597	♂ juv.	148	Pecks Lake, Verde Valley, Arizona.	Mar. 9, 1886	555	1270	390	235	36	15	24	42							87	64	22			28	27	18
5048	♂ juv.	76	Fort Verde, Arizona.	Oct. 17, 1886	570	1290	395	250	37	14	24	41							88	67	23	5				
5067	♂ juv.	107	Fort Verde, Arizona.	Dec. 1, 1886	560	1335	418	244	37	14	26	43							90	70	24	50	30	28	519	
5067	♂ juv.	107	Fort Verde, Arizona.	Dec. 1, 1886	570	1370	420	240	38	14	26	47							95	67	23	54	30	28	19	
5073	♂ juv.	110	Fort Verde, Arizona.	Dec. 11, 1886	535	1310	405	250	36	15	24	43							122	86	62	22	48	27	25	18
5091	♂ juv.	130	Fort Verde, Arizona.	Jan. 16, 1887	553	1310	405	245	35	14	5	23	42						121	87	65	23	53	29	27	18
5682	♂ juv.	278	Fort Verde, Arizona.	Oct. 25, 1887	558	1280	387	234	36	14	25	45	52	83	67	14	120	90	65	24	55	29	28	19		
3351	♀ juv.	212	Fort Verde, Arizona.	Sept. 25, 1884	575	1350	415	265	37	16	26	45							87	67	25					
3593	♀ juv.	235	Prescott, Arizona.	Nov. 25, 1884	580	1330	420	265	35	16	23	43							89	69	24			31		
3887	♀ juv.	4	Fort Lowell, Arizona.	Apr. 5, 1885	580	1350	410	260	40	16	28	47							89	64	24					
4176	♀ juv.	425	Fort Verde, Arizona.	Aug. 25, 1885	600	1370	425	267	40	17	5	26	50						89	68	25					
4215	♀ juv.	13	Oak Creek, Arizona.	Sept. 13, 1885	590	1395	435	260	39	15	26	48							90	70	25	5				
4241	♀ juv.	36	Fort Verde, Arizona.	Oct. 10, 1885	600	1410	430	260	40	17	27	46	Middle toe alone, 45.						93	71	26					
4336	♀ juv.	78	Fort Verde, Arizona.	Dec. 18, 1885	620	1450	445	270	40	16	27	46	Middle toe alone, 49.						95	71	25					
5004	♀ juv.	58	Fort Verde, Arizona.	Sept. 7, 1886	600	1400	430	268	41	17	28	45							87	74	26			32	29	20
5060	♀ juv.	104	Fort Verde, Arizona.	Nov. 25, 1886	600	1405	440	290	38	15	27	46	Hind toe without claw		30	87	65	24	54	30	28	19				
5072	♀ juv.	109	Fort Verde, Arizona.	Dec. 11, 1886	585	1355	412	255	39	15	27	46							135	85	70	26	56	32	29	520
5245	♀ juv.	211	Upper Verde Valley, Arizona.	Apr. 16, 1887	600	1383	425	266	41	15	5	28	49						123	92	70	26	58	31	30	619

*In full 1st autumn's plumage; raised from nestling.

RETURN—Continued.

ADDITIONAL ARTICLES.

Buteo borealis calurus (Less.). Western Red-tail. Adults.																											
No.	Sex and Age.	Page in Journal.	Locality.	Date.	Length.	Wing expanse.	Wing.	Tail.	Culmen & cere, closed taken together.	Cere.	Culmen.	Gape.	Tip of bill to center of pupil.	Tip of bill to occiput.	Base of cere to occiput.	Diameter of eye.	Fibia.	Tarsus.	Middle toe with its claw.	Middle claw (alone).	Hallux and its claw.	Claw of hallux (Chord).	Inner claw (Chord).	Outer claw (Chord).	Weight (Avoin).		
3525	♂ ad.	350	Grahd Cañon, Colorado R., Arizona.	Nov. 17, 1884.	535	1270	395	230	36	14	25	42							85	62	22	51	29	27	18		
4598	♂ ad.	154	Fort Verde, Arizona.	Mar. 12, 1886	540	1290	400	230	38	17	26	42							84	58	23	50	29	28	19		
5066	♂ ad.	106	Fort Verde, Arizona.	Dec. 1, 1886	560	1335	418	244	37	14	26	43							90	70	24	50	30	28	19		
5075	♂ ad.	111	Montezuma Well, Arizona.	Dec. 13, 1886	545	1290	400	242	37	15	25	44							117	85	64	23	53	29	27	18	
5088	♂ ad.	130	Oak Creek, Arizona.	Jan. 6, 1887	525	1265	395	225	34	13	24	40							120	87	62	22	51	29	26	17	
5079	♂ ad.	119	Fort Verde, Arizona.	Dec. 27, 1886	535	1370	400	240	37	14	25	42							111	83	60	22	48	28	26	18	
5092	♂ ad.	131	Fort Verde, Arizona.	Jan. 16, 1887	532	1295	400	234	34	13	23	42							115	86	65	24	54	31	28	19	
5115	♂ ad.	157	Peck's Lake, Verde Valley, Arizona.	Jan. 24, 1887	550	1300	410	250	35	14	24	41							118	85	60	22	54	28	26	17	
5208	♂ ad.	186	Fort Verde, Arizona.	Mar. 31, 1887	550	1335	408	230	37	15	25	54	52	84	63				117	87	65	24	53	30	28	18	
5514	♂ ad.	253	San Francisco Mountain, Arizona	June 13, 1887	533	1220	382	229	36	13	26	44							113	83	65	23	51	28	27	17	
5620	♂ ad.	264	Bakers Butte, Mogollon Mountains, Arizona.	Aug. 20, 1887	545	1300	400	230	36	14	25	43							110	85	58	22	48	28	26	17	
5711	♂ ad.	285	Fort Verde, Arizona.	Nov. 5, 1887	545	1290	396	225	38	16	27	44	53	83	62	13	116	90	67	25	56	31	5	18	5		
5734	♂ ad.	298	Fort Verde, Arizona.	Nov. 26, 1887	527	1270	400	223	36	14	25	44	50	83	60	14	112	86	63	22	51	29	27	18			
5937	♂ ad.	313	Fort Verde, Arizona.	Jan. 7, 1888	542	1290	400	230	37	16	25	43	51	82	59	13	118	87	66	25	55	30	28	18	2		
3378	♀ ad.	430	General Springs, Mogollon Mts., Arizona.	Oct. 5, 1884	580	1360	420	260	37	15	26	45							84	69	24						
3694	♀ ad.	281	Fort Verde, Arizona.	Jan. 10, 1885	580	1400	435	245	38	15	28	47							98	70	26						
3822	♀ ad.	336	Fort Verde, Arizona.	Mar. 14, 1885	570	1385	438	235	40	18	28	47							80	64	23			31	28	18	
3836	♀ ad.	2	Cienega, 11 m. W. of Fort Verde, Arizona.	Mar. 25, 1885	543	1400	430	240	40	16	28	45							88	65	24						
4361	♀ ad.	84	Fort Verde, Arizona.	Dec. 29, 1885	615	1435	445	250	40	16	27	46							91	67	24			32	29	20	
5071	♀ ad.	109	Fort Verde, Arizona.	Dec. 11, 1886	590	1425	445	250	41	15	30	47							93	73	25	57	33	31	20		
5087	♀ ad.	120	Indian Garden, Oak Creek, Arizona.	Jan. 6, 1887	577	1405	428	243	39	15	28	46							127	90	67	25	56	33	31	19	
5207	♀ ad.	186	Fort Verde, Arizona.	Mar. 31, 1887	580	1400	435	245	39	15	28	46	55	90	65	14	123	90	63	23	59	32	29	19	34		
5244	♀ ad.	211	Upper Verde Valley, Arizona.	Apr. 16, 1887	560	1383	423	245	39	14	28	47							14	106	88	66	24	55	31	30	19
5511	♀ ad.	253	San Francisco Mountain, Arizona.	June 12, 1887	573	1390	447	238	40	15	28	49							121	83	70	24	60	32	30	19	
5554	♀ ad.	262	Bakers Butte, Mogollon Mts., Arizona.	July 15, 1887	576	1365	425	245	38	14	27	47							115	87	64	24	54	32	29	19	
5555	♀ ad.	262	Bakers Butte, Mogollon Mountains, Arizona.	July 17, 1887	575	1420	444	255	40	15	28	46							127	87	68	23	57	30	29	18	
5683	♀ ad.	278	Fort Verde, Arizona.	Oct. 25, 1887	580	1400	442	240	38	14	26	54	85	64	14	122	92	70	25	56	32	30	5	19	5		
5706	♀ ad.	284	Fort Verde, Arizona.	Nov. 1, 1887	590	1410	437	255	38	15	27	46							124	91	68	25	55	30	5	19	
5818	♀ ad.	302	Box Canon, Upper Verde Valley, Arizona.	Dec. 8, 1887	575	1385	423	250	39	15	28	45	53	87	65	14	118	90	65	25	56	32	30	19	2		

*Dark phase.

(Over)

1 toe alone, 40. 1 toe alone, 47.

RETURN—Continued.

ADDITIONAL ARTICLES.

Symphoricarpha semipalmata

No.	Sex and age.	Locality	Length, measured from tip of bill to end of claw.	Alar expanse.	Wing.	Tail.	Bill, measured from base of culmen.	Culmen from nostril.	Gape.	Height of bill at base.	Width of bill at base.	Diameter of eye.	From tip of bill to centre of pupil.	From tip of bill to occiput.	From base of bill to occiput.	From head of tibia to end of claws.	Tibia.	Bare portion of tibia.	Tarsus.	Middle toe with its claw.	Middle claw.	Hallux with its claw.	Claw of hallux.	Weight, oz., avoird.	Date	
6288	♂ ad.	Verde River at Fort Verde, Arizona.	462	375	695	212	87	61	47	67	11	10	7.2	81	100	40	190	86	37	65	39	7	13.5	4	10½	May 1, 1888
6289	♂ ad.	do	478	380	720	220	86	62	48	69	11.7	10.3	7.2	82	102	40	197	89	41	67	40.5	7	13.5	4.2	10½	" " "
6290	♂ ad.	do	477	389	739	225	89	64	48	72	11	8.8	7.2	83	104	42	198	91	41	67	41	6.5	14	4.8	10¾	" " "
6291	♂ ad.	do	467	373	706	212	83	57	45.5	67	10.3	9.2	7.2	80	101	44	195	87	41	67	40.5	6.5	13	3.8	10½	" " "
6292	♂ ad.	do	460	377	710	217	86	57.5	45	68	10.7	9	7.2	80	100	42.5	191	85	36	66	40	6.5	13.5	3.8	11¼	" " "
6293	♀ ad.	do	493	402	762	228	86	64	50.5	73	11.5	10	7.2	87	107	45	202	90	40	69	45	7	15.5	4.6	14½	" " "
6294	♂ ad.	do	480	390	736	235	90	61	48	71	11	8.8	7.2	85	105	44	202	93	40	70	41	6.2	14	4	10½	" " "
6295	♀ ad.	do	480	391	739	226	88	59	47	68	11	9.9	7.2	80	99	41	199	90	40	65	42	7	14	4.9	12	" " "
6296	♀ ad.	do	490	400	738	233	91	60	46	71	12	9	7.2	82	102	43	201	93	42	70	41	6.6	14.5	4.5	13	" " "
6297	♀ ad.	do	504	401	745	232	85	63	50.75	11.3	10.4	7.2	87	109	44	206	93	43	72	42	7	15	4.6	13	" " "	
6298	♂ ad.	do	472	382	692	209	81	60	48	70	11	8.5	7.2	82	102	42	192	87	40	67	39	6.9	14	4.1	11	" " "
6299	♂ ad.	do	476	383	712	215	84	61	46	69	11	8.7	7.2	81	101	42	196	88	38	68	40	6.4	14	4	12	" " "

The above 12 specimens were shot from a flock of less than twenty individuals. They uttered loud calls when flying and, when excited, upon the ground. Their loud, plaintive whistle could be heard distinctly half a mile. When some of their number had been killed or wounded, the flock would sometimes return to the spot after circling about high in the air of several minutes. When first fired at, the unwounded birds merely arose a few yards with loud cries, and immediately settled down among their maimed companions, nodding their heads excitedly. At the second shot they flew a little way down the stream, where I killed four at one shot. Still they were not shy, and I followed them a mile and shot at them several times, killing five more. Wounded ones would separate from the flock and circle wildly about, uttering plaintive cries. When the flock arose and became clamorous the wounded ones would often essay to join them.

Their irides are dark hazel. Bill olive-gray at base, becoming dark plumbeous terminally. The legs and feet are plumbeous; claws dusky.

Stomachs empty, except No. 6290, which contained several small univalve sea shells.

4119	♀ ad.	Fort Verde, A. T.	485	402	770	228	96	60	68																	
6360	♀ ad.	Verde River at Fort Verde, May 13, 1888	505	411	766	226	94	65	51	74	12	9.5	7.2	88	107	112	205	95	46	71	41	6.1	16	4.3	11	May 13, 1888

Bill grown 40 mm. inner web, 7.5; outer web, 11. Inner claw, 5.5; outer claw, 5. See Journal, Vol I, p. 389